Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practice

ANNALS, APR 95

MANDA'S

POCKET GARDEN DICTIONARY

AND

CATALOGUE

OF

EVERYTHING

1895

PERTAINING

TO

HORTICULTURE

THE UNIVERSAL

HORTICULTURAL ESTABLISHMENT.

W. A. MANDA,

SOUTH ORANGE, N. J.

CONTENTS.

	PAGE.
W. A. Manda	1 and iii
Introduction	2
List of Patrons	3
Advice to Customers, and Disclaimer	4
For Kind Observation	5
Landscape Gardening	6
Seeds	7
Vegetable Seeds	7
Seed of Pot, Sweet and Medicinal Herbs	22
Vegetable Roots and Tubers	23
Grass and Clover Seeds	24
Flower Seeds	26
Specialties	26
General Collection	43
Special Collection	50
Roses	53
Chrysanthemums	54
Carnations	56
Bulbs for Spring Planting	57
Water and Bog Plants	60
Bedding and Garden Plants	62
Greenhouse Flowering Plants	63
Orchids	66
Greenhouse Foliage Plants	72
Palms	74
Ferns and Selaginellas	76
Hardy Herbaceous Plants	77
Ornamental Trees	82
Ornamental Shrubs	89
Evergreen Shrubs	94
Climbing and Trailing Shrubs	95
Conifers	98
Fruits	100
Horticultural Implements and Garden Requisites	105
Horticultural Books and Periodicals	107
Planet Jr. Implements	109
Concluding Remarks	112
Novelties	113

W. A. MANDA,

Horticultural Expert,

MERCHANT, GROWER, IMPORTER
AND EXPORTER IN

**Flower, Vegetable, and Grass Seeds,
Greenhouse and Hardy Plants
and Bulbs, Trees, Shrubs,
. . and Vines. . .**

Novelties a Specialty.

**Landscape Architect,
Horticultural Builder,
Adviser and Valuer.**

Winner of over 500 Medals, Diplomas, and Money Prizes at all the leading Horticultural Exhibitions in America.

ACTIVE MEMBER OF

Massachusetts Horticultural Society,
Pennsylvania Horticultural Society,
Lenox Horticultural Society,
New Jersey Horticultural Society,
Society of American Florists,
New York Florists' Club (Ex-President),
Boston Gardeners' and Florists' Club,
Philadelphia Florists' Club.

HONORARY MEMBER

Minnesota Horticultural Society,
Berkshire County Gardeners' and Florists' Club.

FORMERLY

Curator Botanical Gardens of Harvard University, Cambridge, Mass.

Managing Partner PITCHER & MANDA (lately incorporated Stock Company).

NOW

PROPRIETOR OF THE

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.

Dear Reader:

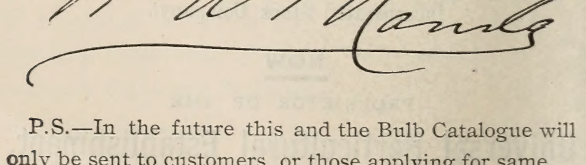
I have the pleasure of presenting you with my second edition of Pocket Garden Dictionary of everything pertaining to Horiculture, and at the same time to thank my numerous customers for their kind patronage and the numerous complimentary letters which I received during the past year, which, if printed, would fill a volume as large as this book. In preparing this book I have adhered to the principle originally laid out, and have made such improvements as suggested itself. I have not used any illustrations or gaudy and misleading description, as this book is sent to an intelligent public that appreciates brevity rather than misleading description and exaggerated pictures.

The Novelties and Specialty portion will be found in the pink portion of this catalogue, where all new or specially desirable plants, seeds and bulbs are described.

It is now well known in the horticultural world that I have severed all active connection with the incorporated stock company of Pitcher & Manda, and that my establishment contains a choice and rare collection of everything needed to beautify your home and garden. As for references it will suffice to look on the opposite page, where I have selected a few of my customers which are well known as the leading horticultural patrons of America.

As before it will be my aim to supply only the very best of everything in the horticultural line, while the Landscape Department is under my personal supervision, thus giving my patrons the benefit of life-long experience and valuable advice.

Trusting to hear from you and your friends that are interested in gardening, and assuring you of my best efforts to give satisfaction.



P.S.—In the future this and the Bulb Catalogue will only be sent to customers, or those applying for same.

List of a few of my Patrons.

Arnold, Hicks, Esq.	N. Y. City.
Astor, Hon., J. J.	Rhinebeck, N. Y.
Bramhall, Geo. W., Esq.	Orange.
Bois, Col. H. M.	Scranton.
Bliss, W. A., Esq.	Bay Ridge.
Botanic Gardens	Washington.
Benedict, Judge	Garretson.
Brigham, Wm. T., Esq.	Honolulu, H. I.
Cutting, Wm. Bayard, Esq.	Oakdale.
Cook, H. H., Esq.	Lenox.
Cutting, Col. Walter	Pittsfield.
Choate, Jos. H., Esq.	Stockbridge.
Crane, Mrs. J. B.	Dalton.
Crane, Mrs. Zenas	Dalton.
Crane, Mrs. J. Marshall	Dalton.
Cromwell, F. Esq.	Bernardsville.
Constable, F. A., Esq.	Mamaroneck.
Catlin, Mrs. J.	Morristown.
Cornell University	Ithaca.
Constable, J. M., Esq.	Mamaroneck.
Colgate, S. B., Esq.	Orange.
Dissel, Chas., Esq.	Wynnewood.
Dinsdale, G. K., Esq.	Yokohama, Japan.
Executive Mansion	Washington.
Eyerman, Jno., Esq.	Easton,
Furness, Dr. W. H.	Wallingford.
Graves, Hy., Esq.	Orange.
Gould, Miss H. M.	Irvington, N. Y.
Ginna, S. A., Esq.	Plainfield.
Hunnewell, H. H., Esq.	Welsley.
Huntington, C. P., Esq.	Throggs Neck.
Iselin, Miss	New Rochelle.
Jessup, M. K., Esq.	Lenox.
Kimball, W. S., Esq.	Rochester.
Kissell, Geo. E., Esq.	Morristown.
Kaufman, J. W., Esq.	St. Louis.
Kennedy, H. O. R., Esq.	Hempstead.
Lanier Chas., Esq.	Lenox.
McCurdy, R. M., Esq.	Morris Plains.
Mandeville, Dr. H. A.	So. Orange.
Morgan, G. H., Esq.	Lenox.
Merritt, Capt. I. J.	Whitestone.
Magee, Gen.	Watkins.
Miller, Geo. M., Esq.	Morristown.
Page, H. A., Esq.	So. Orange.
Pollock, Mrs. Wm.	Pittsfield.
Park, T. L., Esq.	Riverdale.
Rockefeller, Wm., Esq.	Tarrytown.
Rosevelt, Jno. A., Esq.	Poughkeepsie.
Roebling, Chas. G., Esq.	Trenton.
Stokes, Anson Phelps, Esq.	Lenox.
Sloan, W. D., Esq.	Lenox.
Sheppard, Mrs.	Scarborough.
Sloan, John, Esq.	Lenox.
Sargent, Miss G. W.	Lee.
Schlegel, Geo., Esq.	Bay Ridge.
Starin, J. H., Esq.	New Rochelle.
Tiffany, L. C., Esq.	N. Y.
Thayer, Nathaniel, Esq.	So. Lancaster.
Thayer, E. V. R., Esq.	So. Lancaster.
Vanderbilt, Wm. K., Esq	Oakdale.
Vanderbilt, G. W., Esq.	Biltmore.
Westinghouse, Mrs. I.	Lee.
Washington Park	Paterson.
Walcott, Hon. E. O.	Denver.
Wright, J. Hood, Esq.	N. Y. City.
West Chicago Park Comm.	Chicago
Wanamaker, Jno., Esq.	Jenkintown.

Advice to Customers

PLEASE send in your orders early.

PLEASE induce your friends to send their orders with yours.

PLEASE give me ample time to fill your order carefully.

PLEASE add enough to cover postage if ordered by mail.

PLEASE write your name and address plainly.

PLEASE give mode of shipment; express is recommended.

PLEASE say if I can send other kinds for any out of stock.

PLEASE register all letters containing money.

PLEASE give me names of friends interested in horticulture.

• • • • • • • • •

WHAT I DO—Everything in my power to satisfy customers.

WHAT I DO—Give my customers the value of their money.

WHAT I DO—Offer best quality at lowest living prices.

WHAT I DO—Guarantee safe arrival of goods by express.

WHAT I DO—Rectify all just claims if made at once.

WHAT I DO—Strive to make America one big garden.

• • • • • • • • •

WHAT I DO NOT DO—Offer premiums or other nostrums.

WHAT I DO NOT DO—Guarantee crops. See "Disclaimer."

WHAT I DO NOT DO—Offer anything I have no faith in.

WHAT I DO NOT DO—Offer $2 for $1, because I could not do it honestly.

WHAT I DO NOT DO—Substitute, unless given the privilege.

WHAT I DO NOT DO—Guarantee goods sent by mail or freight.

WHAT I DO NOT DO—Take responsibility for money sent in unregistered letters.

WHAT I DO NOT DO—Not responsible for failure or shortage of crops, stock being exhausted when order is filled, or any accidents or delays in delivery beyond my control.

FOR KIND OBSERVATION.

I am at all times pleased to hear from collectors or raisers of new varieties of plants, seeds or bulbs with view of purchasing or exchanging same.

If you are in need of a good Gardener or Assistant write to me ; I can recommend you reliable men that I know personally.

If there is anything you want and do not see in this catalogue, send in your order for it just the same, and I will charge you the lowest market price.

In sending your orders kindly name some variety I may substitute in case I am sold out of the one you ask for, or give me the privilege to put equally as good kinds. It will help me and give you just as good satisfaction.

Kindly recommend my house to your friends interested in horticulture. I will treat them liberally.

VISITORS.

I am pleased at all times to receive visitors who are interested in plants of any description. Having a number of choice and rare subjects, it will repay any one coming even a long distance to see my collection. My nurseries are situated on the D., L. & W. R. R., adjoining the depot of South Orange. There are 83 trains daily, so visitors will only have a few minutes to wait, trains being so frequent. There are also electric cars from Newark to South Orange Depot, connecting with the Penn. R. R. and Jersey Central R. R. every ten minutes. Taking it all, in all it is the most accessible nursery in the country.

LANDSCAPE GARDENING.

This is a very important subject, and one that should not be neglected or overlooked, especially when building up a new place.

It means that, with a good plan, you can lay out your place to all the advantages it commands naturally, besides making and developing features where the location is disadvantageous. The roads and walks should be laid out, not only to be practical, but also to be in harmony with everything adjacent.

The proper location of trees and shrubs, and the selection of the best and most desirable kinds, are very important, for you are planting for the future, and as it takes years for a shrub or tree to grow, you should plant only such as would be desirable and valuable when grown up. The same applies to the location of vegetable, flower, fruit, rock or wild garden borders or flower beds.

The grouping or massing of either trees, shrubs, plants or bulbs, to produce certain effects at special seasons, either in foliage, flower or fruit, can only be successfully accomplished by having full knowledge of the habits and character of such plants.

Many unsightly corners and spaces could be not only hidden, but actually made beautiful. Thus, outside the general flower garden, barren rocks and stumps of trees can be covered with luxuriant growth.

Dry and sandy hills, where even grass refuses to grow, with proper selection can be made as beautiful as where the soil is rich, while marshes can be turned into handsome objects, and ponds covered with showy water plants. In one word, it is the knowledge of the habits of plants and their adaptability to certain locations that brings the desired success.

Locating and designing greenhouses, graperies, pits or frames on a place are also very important; so are the proper details in the construction of greenhouses, which are generally left to architects, who do not take into consideration the practical points of the greenhouse or conservatory.

Do not lay out your place without a landscape gardener any more than you would build a house without an architect; and you cannot do better than consult

Yours truly,

W. A. MANDA.

SEEDS.

This important department will have my careful attention, knowing the necessity of pure, good, and true seed. Instead of giving showy and highly colored packets, I will endeavor to put all that unnecessary expense into the seed, the article that the customer wishes to procure. It should never be the question with the buyer, "How cheap can I buy my seeds?" but "*Where can I procure the very best of seeds?*" A penny saved in the first instance may bring not only failure and disappointment, but labor wasted and a whole season lost. Yet a great deal depends on the season, soil and attention given to the crops, and therefore I wish to draw my customers' attention to the usual disclaimer: *That while I exercise the greatest care in having all seeds pure, true, and good, my seeds are sold without any warranty, expressed or implied, and without any responsibility in respect to crop.* If my seeds are not accepted on these terms, they must be returned at once.

CHOICE VEGETABLE SEEDS.

This section will be found to contain all the best varieties for family use. They are arranged in alphabetical order and numbered, so that in ordering my customers can use simply the number, the quantity desired, and price. Please use the Order Sheet.

ASPARAGUS.

CULTURE.—Sow the seeds in the spring, in drills about twelve inches apart. Thin out seedlings, only leaving the strongest. At one or two years transplant to permanent beds. The soil should be well trenched and manured. One ounce will sow about fifty feet of drill.

	Per pkt.	Oz.	¼ lb.
1. Colossal. The standard variety.	$0 05	$0 10	$0 15
2. Palmetto. A desirable bright green variety	10	15	20
3. Barr's Mammoth. Very large, tender stalks	10	15	20
3a. Argenteuil Giant. The best variety in cultivation	10	20	25

ARTICHOKE.

CULTURE.—Sow in spring, in rich, sandy loam. Transplant in rows three feet apart and two feet apart in the rows. Cover up during winter. They reach maturity the second year.

	Per pkt.	Oz.
4. French Globe. Green. The best variety.	$0 10	$0 30
6. Large Paris. Purple. A selection of the French Globe	10	50
7. Jerusalem Artichoke. See Roots.		

BEANS.

Dwarf, or Snap Beans.

CULTURE.—In early May, in a warm and sheltered spot, sow in drills about two inches deep and eighteen inches apart. Sow every two weeks for a succession.

	Qt.	Pk.
8. Best of All. Early round, fleshy pods	$0 30	$1 50
9a. Cleveland Improved Valentine. Choice strain	40	2 25
10. Dwarf Horticultural. Late and productive	30	1 50
13. Early Mohawk. Long flat pods, very hardy	30	1 50
15. Extra Early Refugee. Two weeks earlier than the famous Refugee	30	1 50
16. Extra Early Valentine. The standard dwarf bean	30	1 50
19. Round Yellow Six-Weeks. Early. A leading market sort	25	1 25
22, Refugee, or 1,000 to 1. Very productive and tender late	30	1 50

DWARF WAX BEANS.

	Qt.	Pk.
22a. Currie's Rust Proof. Free from rust	$0 35	$2 00
26. Black-Eyed Wax. Very productive and early	30	1 75
30. Golden-Eyed Wax. Free from rust, very hardy	30	1 75
31. Improved Golden Wax. Very early, round golden pods	30	1 75
32. Improved Prolific Black Wax. Stringless and of fine quality	30	1 75
32a. Perfection Wax. One of the best	35	2 00
33. Refugee Wax. The earliest wax bean in cultivation	35	2 00
34. Wardwell's Kidney Wax. Free from rust, early	35	2 00

WHITE BEANS.

	Per qt.	Pk.
37. Burpee's Bush Lima	$0 50	
38. Dwarf Sieva. (Henderson's Bush Lima.)	50	
39. Dreer's Bush Lima. Good variety	50	
43. White Marrow. Good either as a string or shell bean	20	$1 00
44. White Valentine. Round pod	40	2 00

POLE OR RUNNING BEANS.

CULTURE.—Sow as soon as the soil is warm and dry, about the end of May, in hills about four feet apart each way. Poles eight to ten feet long should be firmly set in the centre of the hills before putting in the seed.

	Per qt.	Pk.
53. Dreer's Improved Lima. Thick and of fine quality	$0 40	$2 25
59. Horticultural, or Speckled Cranberry. Very fine	30	1 75
61. King of the Garden Lima. Large in pod and bean	40	2 25
62. Large White Lima. One of the best, largely grown	40	2 25
66. Small White Lima. Small, but good quality	40	2 00

BEET.

CULTURE.—Sow as early as possible in the spring and every two weeks after for a succession up to the first week in July. The soil should be light and well manured. Sow in drills about fifteen inches apart, and thin from four to six inches after they are well up.

	Per pkt.	Oz.	¼ lb.
73. Bastian. Very early, light colored	$0 05	$0 10	$0 20
75. Dewing's Early. Of fine form and good flavor	5	10	20
77. Extra Early Egyptian. Very early and of good shape	5	10	20
78. Extra Early Eclipse. Round-rooted, very early	5	10	20
79. Early Bassano. Early, flat, light color	5	10	20
80. Edmand Blood Turnip. Very fine	5	10	20
81. Early Blood Turnip. Productive, good quality	5	10	20
85. Lentz Extra Early Turnip. Large, small top	5	10	25

BEETS—MANGEL-WURZEL, SUGAR, ETC.

CULTURE.—Before planting soil must be well plowed, eighteen inches or more. Sow in May in rows eighteen inches apart, and thin to eight inches in the rows.

	Oz.	¼ lb.
85a. Champion Yellow Globe. Very fine sort	$0 10	$0 15
97. Golden Tankard Mangel-Wurzel. Productive	10	15
100. Long Yellow Mangel-Wurzel. A good main crop	10	15
101. Mammoth Long Red Mangel-Wurzel. Very large, selected strain	10	15

BROCCOLI.

CULTURE.—Sow in early spring in shallow drills. Use plenty of manure. Plant two feet apart each way and treat as you would cabbage.

	Per pkt.	Oz.
107. Early White	$0 15	$0 30
108. Early Purple. Sprouting	15	30

BRUSSELS SPROUTS.

CULTURE.—Sow in May and transplant in July, about twelve inches apart in the rows, which should be eighteen inches to two feet apart.

	Per pkt.	Oz.
115. Best French, or Roseberry. Very good sort	$0 05	$0 25
117. Improved Dwarf. Compact heads of fine quality	5	25

CABBAGE.

CULTURE.—Soil for cabbage should be a heavy loam. On such soil well manured, excellent crops are sure to be grown. Sow the seeds in hotbeds in February or March, or it may be sown about the middle of September and wintered over in coldframes. Transplant in

spring as soon as the ground can be worked, in rows about two feet apart and eighteen inches apart in the row.

	Per pkt.	Oz.
117a. American Drumhead. Fine variety for general crop	$0 05	$0 25
118. Drumhead Savoy. A fine winter and spring sort	5	25
119. Early Dwarf Savoy. The earliest Savoy variety	5	20
121. Early Jersey Wakefield. Most valuable for early	5	30
122. Early York. Early, heads solid and good size	5	20
123. Early Winnigstadt. One of the best for general use	5	20
124. Etampes. Extra early, small pointed heads	5	20
126. Fottler Brunswick. Good solid heads, late	5	25
127. Green-Glazed. Suitable for hot climates.	5	20
128. Improved Early Summer. Fine for second-early or late	5	30
128a. Premium Flat Dutch. An excellent market variety	10	30
131. Red Dutch. A useful sort for pickling.	5	25
135 Selected All-Seasons. Fine for second-early or late	5	25

CARROT.

CULTURE.—For early crops sow as soon as the ground can be worked, and for late crops in May, in rows fifteen inches apart. Thin out young plants to five inches, and keep surface open by frequent use of the hoe.

	Per pkt.	Oz.	¼ lb.
138. Altringham. Long scarlet; productive	$0 05	$0 15	$0 30
138a. Champion Feeder. See Novelty Catalogue.			
140. Early Forcing. Tender and fine; best for early and late crops	5	15	30
146. Half-Long Stump-Rooted. Nantes strain; good market sort	5	15	30
147. Half-Long Stump-Rooted. Chantenay strain	5	15	30
148. Half-Long Stump-Rooted. Carentan; coreless	5	15	35
150. Half-Long Danvers. Thick, of good quality	5	15	30
151. James Intermediate. A very productive half-long pointed strain	5	15	30
152. Long White. Very large; for stock	5	10	25
152a. Long Scarlet Exhibition. Fine large variety for general crop.	5	15	30

CARDOON.

CULTURE.—Sow in early spring in rows, where they are to remain, and thin them out to twelve inches apart. When full size tie plants with matting, and earth up like celery to blanch.

	Per pkt.	Oz.
153. Large Solid. Grows tall; leaves nearly free from spines	$0 10	$0 50

CAULIFLOWER.

CULTURE.—This is the same as cabbage, except that extra manure and plenty of water will pay upon this.

	Per pkt.	Oz.
155. Extra Early Dwarf Erfurt. Very fine, short stem	$0 50	$6 00
157. Early Snowball. One of the best for forcing or open ground	25	3 00
162. Lenormand Short-Stem. Has very large heads	10	75
163. Large Algiers. Popular sort, of enormous size	10	65

CELERY.

CULTURE.—Sow in open ground as soon as it is fit to work in April. In June and July plant in rows 10 to 12 inches apart, and set six inches apart in the rows. About the middle of August we begin the "earthing up" necessary for blanching. After the soil has been drawn up against the plant it is pressed around each plant by the hand firmly enough to keep the leaves in an upright position, using care to prevent the soil from falling into the heart of the plant.

	Per pkt.	Oz.
168. Boston Market Dwarf. Solid and crisp	$0 05	$0 25
168a. Giant Gold Heart. A very good sort	5	25
173. Giant Pascal. Excellent flavor and fine keeping variety	10	25
174. Golden Self-Blanching. On the style of White Plume, except that it is golden yellow	10	50
176. Golden Dwarf. When blanched the heart is golden yellow	10	30
177. Half-Dwarf. Fine white variety, nutty flavor	5	25
178. Improved Dwarf White. The best dwarf variety grown	5	25
179. Large-Ribbed Kalamazoo. A good half-dwarf white	5	20
181. London Red. The largest variety grown	5	25
182. Major Clark's Pink. Stiff, close habit, nutty flavor	5	25
183. Perfection Heartwell. The finest and largest winter variety	10	30
183a. Rose Dwarf. Extra fine	5	25
184. Sandringham Dwarf White. Small, white, solid	5	25
186. White Plume. Naturally light foliage, largely grown	5	25
187. White Walnut. Half-dwarf, white sort, walnut flavor	5	25

CELERIAC, OR TURNIP-ROOTED CELERY.

CULTURE.—Sow in April. Before planting out manure the ground well. Set the plants in shallow drills twelve inches apart, watering freely. As the growth advances draw the earth to the plants, by which the knotty roots will be blanched and made tender.

	Per pkt.	Oz.
189. Large Erfurt. A standard variety	$0 10	$0 25
190. Large Smooth Prague. The finest variety yet introduced	10	30

CHERVIL.

CULTURE.—Sow at any time in the spring in shallow drills twelve inches apart. The seed of the Tuberous Chervil should be sown in the latter part of August and treated like the carrot.

	Per pkt.	Oz.
191. Curled	$0 05	$0 15
192. Tuberous-Rooted. This variety has edible roots	5	20
192a. Sweet-Scented (Myrrhis odorata)	5	20

CHICORY.

CULTURE.—Sow in June. Transplant roots in autumn into sand in a cellar. Cultivate as recommended for carrots.

	Per pkt.	Oz.	¼ lb.
194. Witloof	$0 05	$0 10	$0 30
195. Large-Rooted Magdeburg	5	10	25

CORN-SALAD, OR FETTICUS.

CULTURE.—Sow in the latter part of August in drills a quarter of an inch deep and eight to ten inches apart. Protect from frost by a light covering of litter.

	Per pkt.	Oz.	¼ lb.
197. Large-Seeded	$0 05	$0 10	$0 25
199. Green-Cabbaging	5	10	30

CRESS, OR PEPPERGRASS.

CULTURE.—Sow early in spring, very thickly in shallow drills, and at short intervals for succession, as it soon runs to seed.

	Per pkt.	Oz.	¼ lb.
202. Extra Curled. The best variety grown	$0 05	$0 10	$0 20
204. American, or Land. Used as Water Cress in winter	5	10	30

WATER CRESS.

CULTURE.—Sow in any moist situation, but will do better if sown by the edge of a running brook. The cress will be fit for gathering the second year.

	Per pkt.	Oz.	¼ lb.
205. The Common Variety	$0 10	$0 30	$1 50

CORN, SWEET OR SUGAR.

CULTURE.—Plant in hills three feet apart each way, or in drills about four feet apart, and plants thinned out to eight or ten inches apart. Sow in succession every two weeks from the beginning of May until the middle of July, and by properly selecting the varieties a continuous supply can be had until killed by the frost.

EXTRA EARLY.

	Qt.	Pk.
205a. Early White Cory. Early	$0 20	$1 25
207. Early Cory. A very early variety	20	1 25
209. Marblehead. One of the earliest, dwarf	20	1 25
210. Minnesota. Resembling Marblehead in character	20	1 25
212. Perry's Hybrid. Early and large size	20	1 25

INTERMEDIATE.

214. Amber Cream. Strong grower ; large ears	20	1 25
215. Crosby. Fair-sized ears, of good quality	20	1 25
215a. Everbearing. A good cropper	20	1 25
218. Moore Concord. Strong grower, large, and well-filled ears	20	1 25
218a. None Such. See Novelty Catalogue.		

GENERAL CROP.

223. Early Mammoth. Very large and productive	20	1 25
228. Stowell's Evergreen. The most popular variety	20	1 25

LATE.

	Qt.	Pk.
231. Country Gentleman. Very large ears	$0 35	$1 75
232. Egyptian. Large and good quality	20	1 25
233. Late Mammoth. Large growth and ears	20	1 25
233a. Fodder Corn	$2 00 per bu.	

CUCUMBER.

CULTURE.—Cucumbers succeed best in warm, sandy loam. They should not be planted in the open air until warm, settled weather—in the vicinity of New York, towards the end of May. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well rotted manure. When all danger from insects is passed thin out the plants, leaving four of the strongest.

	Per pkt.	Oz.
236. Boston Pickling. A fine variety ; good quality	$0 05	$0 10
238. Early Russian. Very early ; short ; valuable for pickling	5	10
241. Early White Spined. Early ; good for pickling or table use	5	10
243. Everbearing. Enormously productive ; small ; good as a green pickler	5	10
244. Evergreen White Spine. Very early and prolific	5	10
247. Green Prolific Pickling. Of uniform small size ; valuable for pickling	5	10
248. Improved White Spine Arlington. One of the best for the table	5	10
248a. Jersey Pickling. A fine variety	5	10
250. Long Green. A popular variety for pickling	5	10
252. Nicholas Medium Green. A fine table variety	5	10
253. Peerless. A fine strain of White Spine.	5	10
254. Small Gherkin. Very small burr, used for pickles	5	20
255. Tailby Hybrid. Very long, fine for table use	5	10

ENGLISH CUCUMBER FOR FRAMES AND GREENHOUSE.

CULTURE.—Sow seeds in October, November or December, according to the time they are wanted, in small pots. When grown to three leaves plant out in a previously prepared hill of fibrous loam, lightened and enriched with old manure. Give plenty of air and water, as robustness of habit is especially valuable through winter. Keep a temperature of 65 degrees at night to 75 or 80 degrees with sunheat.

	Per pkt.
259. Duke of Edinburgh. Large and long, quite smooth	$0 25
265. Prescott Wonder. Rapid-growing ; very prolific	25
267. Telegraph. Free-bearing, extensively grown.	25

DANDELION.

CULTURE.—Sow in spring in drills half an inch deep and eighteen inches apart. Thin out the plants to twelve inches. They are perfectly hardy and will be ready for use the following spring.

	Per pkt.	Oz.	¼ lb.
268. French Garden	$0 05	$0 20	$0 50

EGG PLANT.

CULTURE.—Sow in hotbeds very early in spring, and transplant when two inches high into small pots. Plant out about the second week in June. If planted earlier they are liable to get checked by cool nights or wet weather. Set out plants three feet by two.

	Per pkt.	Oz.
271. Black Pekin. Fruit blackish purple	$0 10	$0 40
273. Improved New York Purple. The best grown	10	50

ENDIVE.

CULTURE.—Sow in June, July or August. Thin out to about twelve inches apart, and water well if dry weather. When the leaves get about eight inches long blanch by gathering in the hand and tying together near the top with string or bast. This must be done when quite dry or they will rot. When winter approaches lift carefully with a ball of earth to each plant and place close together in a frame or cellar. Keep dry and give plenty of air.

	Per pkt.	Oz.
280. Broad-Leaved Green. A sweet variety for fall and winter	$0 05	$0 20
280a. Broad-Leaved White	5	20
281. Green Curled Winter. The standard sort	5	20
283. Large Green Curled. Broad ribs, good for fall and winter	5	20
283a. Moss Curled. Very fine	5	20

GARLIC.

CULTURE.—Plant the sets six inches apart, in rows one foot apart. As soon as the leaves have turned the crop has matured and may be harvested like the onion.

	Per oz.	¼ lb.
286. Garlic Sets	$0 05	$0 10

KALE, OR BORECOLE.

CULTURE.—Sow about the middle of April, covering thinly. Plant out in June on deep, well-manured ground, following the directions recommended for cultivating cabbage.

	Per pkt.	Oz.
294. Tall Green Scotch. One of the best varieties	$0 05	$0 10
294a. Tall Purple.	5	20

KOHL-RABI.

CULTURE.—Sow seed in June in rows eighteen inches apart. Thin out plants to about ten inches.

	Per pkt.	Oz.
296. Early White Vienna. White ball, delicate	$0 10	$0 30
297. Early Purple Vienna. Purple ball, good variety	10	35
298. Large White or Green. Very productive.	5	15

LEEK.

CULTURE.—Sow very early in spring in drills one inch deep and one foot apart. Thin out to one inch. When six or seven inches high transplant in rows fifteen inches apart and ten inches in the row. Plant as deep as possible, but do not cover the young centre leaves.

	Per pkt.	Oz.
300. Large American Flag. The most desirable for family use	$0 05	$0 25
301. Large Rouen Winter. A standard sort.	5	25
302. Large Carentan. Fine variety, stout habit, hardy	5	25

LETTUCE.

CULTURE.—For early crop sow in open ground in September, and transplant to coldframes as soon as large enough to handle, being wintered over in the same way as early cabbage. Also sow in hotbeds in March, and set out in April.

	Per pkt.	Oz.
304. American Gathering. Fine for early and late sowing	$0 05	$0 20
305. All the Year Round. Good for summer and forcing	5	20
309. Boston Market. One of the best for forcing	5	20
310. Blonde Blockhead, or Sunset. Good summer variety	10	25
311. White-Seeded Simpson. Stands summer well	5	20
318. Drumhead, or Malta. One of the finest summer sorts	5	20
327. Golden Stone-Head. Small but solid, good for forcing	5	20
329. Hanson. Heads large and of excellent quality	5	20
336. New York. A good variety	10	25
337. Paris White Cos. Fine for summer. Tie up for a few days to blanch	5	20
338. Salamander. One of the best summer varieties	5	20
343. Trianon Self-Closing Cos. The finest Cos variety	5	20
344. Tennisball White Seed. A good forcing sort	5	20
347. White Summer Cabbage. Close heads of good size	5	20

MARTYNIA.

CULTURE.—Sow in May three feet apart each way, or a few seeds may be sown in a hotbed and afterwards transplanted. Pick when small and tender for pickles.

	Per pkt.	Oz.
350. Proboscidea	$0 10	$0 30

MELON, MUSK.

CULTURE.—Cultivate in hills five to six feet apart each way, and composed of light, sandy, rich soil. When the ground has become warm and dry plant eight to ten seeds in a hill. When up, and all danger of insects is past, thin out to three or four. When the vines have covered the ground, pinch the ends of the growing shoots to induce early fruiting.

	Per pkt.	Oz.
355. Cantaloupe, Round Yellow. Very large and prolific	$0 05	$0 15
358. Delmonico. Oval, large size, orange flesh	5	15
359. Emerald Gem. Small, extra early, orange flesh, sweet	5	15
360. Early Hackensack. Larger and earlier than "Hackensack"	5	15
363. Golden Netted Gem. Very early, small and of fine flavor	5	15
364. Hackensack. Large, round, good quality, popular sort	5	15
366. Improved Christiana. Yellow flesh, excellent quality	5	15
367. Jenny Lind. Small, very early, good quality	5	15
372. Miller's Cream. Flesh a rich salmon, sweet and fine	5	15
373. Nutmeg. Named from its shape, good for main crop	5	15
377. Osage. Cocoanut-shaped; fine quality.	5	20
377a. Prolific Nutmeg. Sweet and early	5	15
380. Pineapple. Very sweet and high flavored	5	15
380a. Perfection. Good sort	5	15
380b. Princess. Extra fine	5	15

IMPORTED ENGLISH VARIETIES FOR FRAMES AND GREENHOUSE.

	Per pkt.
387. Invincible Scarlet	$0 25
388. Monroe's Little Heath	25
389. Blenheim Orange	25
390. Gilbert's Green-Flesh	25
391. Lord Beaconsfield	25

MELON, WATER.

CULTURE.—Treat same as "Muskmelon," except that they should be planted eight to ten feet apart, according to variety.

	Per pkt.	Oz.
404. Hungarian Honey. Very early; fine for northern latitudes	$0 05	$0 15
405. Ice Cream. An old and reliable variety	5	10
405a. Ice Rind. Excellent sort	5	10
410. Mountain Sweet. Large, long variety; good quality	5	10

MUSHROOM SPAWN.

CULTURE.—Mushrooms may be grown under benches of the greenhouses or in cellars—wherever the temperature of 50 degrees can be kept during winter. Gather enough fresh horse dung, free of straw or litter, to form the desired size of bed, spreading it in an airy shed to dry. Mix same in equal proportion of loam taken from an old pasture ; turn every day to keep from heating. Make this into a bed eight to ten inches thick, and pound down with the back of a spade. Leave this to heat through for a few days, and as soon as the heat subsides to 85 degrees make holes in the bed about a foot apart each way, into which put pieces of spawn two or three inches in diameter, and cover up with the compost. At the end of a week or ten days the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the bed to the depth of about two inches, and then cover with three inches of hay or straw. Take great care, if the bed gets dry, to dampen with water about the temperature of 100 degrees.

	Lb.	10 lb.	100 lb.
421. English Spawn	$0 12	$1 00	$9 00
422. French Spawn	35	3 00	

MUSTARD.

CULTURE.—For early crops sow seed in hotbeds in March, and for general crop at frequent intervals through the spring in drills about twelve inches apart.

	Per pkt.	Oz.
425. Giant Southern Curled. Very large leaves	$0 05	$0 10
427. White American		5
428. White London. Grows rapidly		5

NASTURTIUM.

CULTURE.—Sow in early spring in drills one inch deep. The tall-growing varieties should have trellises to grow over.

	Per pkt.	Oz.	¼ lb.
431. Dwarf Mixed. Tom Thumb	$0 05	$0 10	$0 30
434. Tall Mixed	5	10	30

ONION.

CULTURE.—Sow as early in the spring as practicable in rich, light soil, in drills about fifteen inches apart, and when the plants are up thin to three or four inches. Hoe frequently to keep down the weeds.

	Per pkt.	Oz.	¼ lb.
435. Adrialic Barletta. The earliest of all, white	$0 10	$0 30	$0 85
437. Early White Nocera. Very early, white	10	35	85
442. Giant White Tripoli	10	30	85
444. Giant Rocca, Yellow, same as above, save in color	10	25	75
446. Large White Portugal. Standard sort	10	35	1 25
449. Large Red Wethersfield. Half-early and a good keeper	10	25	75
452. Mammoth White Garganus, or "Silver King"	10	35	1 25
454. Queen. Very small early sort, white	10	30	85
455. Southport Yellow Globe	10	30	1 00
456. Southport White Globe	10	30	1 00
457. Southport Red Globe	10	30	1 00

	Per pkt.	Oz.	¼ lb.
458. White Mammoth Flat	$0 10	$0 30	$1 00
459. Yellow Danvers. A standard sort, good keeper	10	25	75
460. Yellow Globe Danvers. Of more globular shape	10	25	75
461. Yellow Globe Spanish, or Prize Taker. Very large	10	30	1 00
462. Yellow Strasburg. Fine keeper	10	30	85
463. Zittau Giant Yellow. Fine variety, good keeper	10	35	1 25

For **Onion Sets** see Roots.

OKRA, OR GOMBO.

CULTURE.—Sow late in spring, in drills three feet apart. Thin out from nine to twelve inches. They should be well manured.

	Per pkt.	Oz.
465. Dwarf Green	$0 05	$0 10
467. White Velvet. Tender white pods	5	10

ORACH, OR FRENCH SPINACH.

CULTURE.—Sow in spring; cultivate and use like spinach.

	Per pkt.	Oz.	¼ lb.
470. White. Pale green leaves	$0 05	$0 15	$0 30
470a. Yellow	5	15	30
470b. Lee's Giant Green	5	15	30

PARSNIP.

CULTURE.—Sow as early in spring as the ground can be worked, in good soil, eighteen inches apart. Thin out to six or eight inches in the rows. Hoe and cultivate often to keep down weeds.

	Per pkt.	Oz.	¼ lb.
472. Early Round	$0 05	$0 10	$0 20
473. Hollow Crown. The standard variety	5	10	20
474. Long White. Fine variety	5	10	20
475. Maltese. One of the best sorts	5	10	20

PARSLEY.

CULTURE.—Sow in early spring, in rows twelve inches apart. Thin out the plants to four inches. To preserve in winter transplant in coldframe or light cellar.

	Per pkt.	Oz.	¼ lb.
476. Beauty of the Parterre. Distinct and most beautiful	$0 05	$0 15	$0 50
477. Extra Curled. Standard variety	5	15	30
479. Hamburg, or Rooted. Edible roots like parsnips	5	15	30
481. Plain. The ordinary form	5	10	20

PEAS.

CULTURE.—For first early crop sow as early as the ground can be worked, and at intervals of two weeks for succession. Sow in single or double rows two inches deep and from three to four feet apart, according to the height of variety and strength of soil, supporting tall varieties with brush. Do not sow after the end of May, as they will be attacked by mildew. Plant extra early varieties in August and you will get a profitable crop by fall.

EXTRA EARLY PEAS.

	Qt.	Pk.
482. Alaska. The earliest blue pea ; very productive	$0 25	$1 50
483. Alpha. A wrinkled pea ; very early ; sow thick	30	2 00
485. Daniel O'Rourke Improved. One of the best early peas	25	1 50
485a. Extra Early ; Kinny's Best	40	3 00
486. First and Best. Very early and prolific	25	1 50

EARLY AND MEDIUM.

	Qt.	Pk.
486a. Advancer. Fine variety	$0 25	$1 50
493. Champion of England. A standard variety	25	1 50
495. Everbearing. Fine sort, with large pods	35	2 50
496. Fillbasket. One of the best blue peas.	30	1 80
498. Horsford Market Garden. Very fine and prolific	25	1 50
499. Heroine. Very productive, and of fine quality	50	3 00
501. McLean's Advancer. A standard variety	25	1 50
501a. Maud S. Extra fine	35	2 50
506 Shropshire Hero. A new variety ; very prolific	40	2 50
508. Yorkshire Hero. Very productive; fine quality	25	1 50

MAIN AND LATE CROP PEAS.

	Qt.	Pk.
512. Black-Eyed Marrowfat. A popular variety	$0 20	$1 25
514. Telegraph. Fine quality	30	2 00

DWARF VARIETIES.

	Qt.	Pk.
522. American Wonder. Early ; very prolific	$0 30	$2 00
524. Chelsea. Fine variety ; good flavor.	50	4 00
524a. Excelsior. One of the finest	50	4 00
525. McLean's Little Gem. Very early	25	1 75
526. Premium Gem. Well-filled pods; early	25	1 50

PUMPKIN.

CULTURE.—Plant in late spring among corn ; or, if grown alone, plant in hills ten feet apart each way, and treat like other vines.

	Per pkt.	Oz.
530. Early Sugar. Productive and sweet	$0 05	$0 10
533. Improved Cushaw. Striped	5	10
537. Large Cheese. One of the best	5	10
539. Mammoth Tours	5	10
540. Red Etampes. Fine for family use	5	15

PEPPER.

CULTURE.—Sow in hotbeds in March ; transplant in rows about the first of June, two feet apart and eighteen inches in rows.

	Per pkt.	Oz.
540a. Bullnose	$0 20	$0 50
540b. Golden Queen	20	50
548. Large Squash. Very prolific	10	25
549. Long Red Cayenne. Bright red	10	25
553. Ruby King. Large, red fruit	10	25

	Per pkt.	Oz.
554. Red Cherry. Used for pickles	$0 10	$0 30
555. " Chili. Productive, small, and pungent	10	30
558. Sweet Spanish. Mild and large	10	25
559. " Mountain. Large; mild flavor.	10	25

RADISH.

CULTURE.—Sow in early spring, in rows a foot apart, and every week or ten days for a succession up to the middle of June, after which they are but little used unless a cool northern spot can be secured. Sow in early fall for late crops and winter use.

	Per pkt.	Oz.	¼lb.
565. Long White Naples	$0 05	$0 10	$0 30
567. " Purple Rose	5	10	30
567a. " Black Corsican	5	10	35
568. Olive-Shaped Deep Scarlet	10	15	30
570. " White	5	10	25
571. " French Breakfast.	5	10	30
573. Round Scarlet China	10	20	50
573a. Round White Munich	10	15	40
576. Turnip, Early French Deep Scarlet	5	10	25
579. Turnip, Early French Scarlet White Tipped Forcing	5	10	35
580. Turnip, Early Prussian Scarlet Globe Shaped	10	15	40
584. Turnip, Early White, or Box	5	10	25
587. " Yellow Summer	5	10	30
**588. " Golden " **	5	10	30
**589. " Gray " **	5	10	30
**590. White Strasburg " **	5	10	25
594. Winter Round Black Spanish	5	10	30
596. " Large White Spanish	5	10	25

RHUBARB.

CULTURE.—Sow in a coldframe about the first of March, in fine, rich, sandy loam, in drills about four inches apart.

Keep the frame covered at night, so that the soil will not freeze. In two months the plants will be large enough to plant in the open ground. Transplant in rich soil, and set in rows twelve inches apart and twelve inches in the rows.

The following spring transplant again to four or five feet apart each way, and the next spring the stalks will be large enough to pull.

If roots are used plant four to five feet each way. A crop may be had the following season. Cover the bed over in the fall with coarse manure, which spade under in the spring.

	Per pkt.	Oz.
598. Linnæus. The earliest	$0 05	$0 20
599. Victoria	5	20

SALSIFY, OR OYSTER PLANT

CULTURE.—Sow in spring in drills eighteen inches apart and one inch deep; thin out to six inches. The roots will be ready for use in October, when a supply should be taken up and stored like carrots. Those remaining will suffer no injury by being left in the ground till spring.

	Per pkt.	Oz.	¼lb.
600. Long White French	$0 05	$0 10	$0 30
601. Mammouth Sandwich Island. Large and superior	5	15	50

SCORZONERA.

CULTURE.—The same as salsify. Known also as Black Oyster Plant,

	Per pkt.	Oz.	¼ lb.
603. Scorzonera	$0 05	$0 20	$0 50

SCOLYMUS.

CULTURE.—It is cultivated exactly like the carrot, except that it should be grown in rows three feet apart and eighteen inches in the rows.

	Per pkt.	Oz.	¼ lb.
604. Scolymus	$0 05	$0 20	$0 60

SWISS CHARD.

CULTURE.—Cultivate the same as spinach, sow early in the spring in drills about eighteen inches apart; as it grows, thin out for use. Good cultivation will greatly increase the tenderness of the leaves.

	Per pkt.	Oz.	¼ lb.
605. Swiss Chard. White	$0 05	$0 10	$0 20
605a. Yellow Cutting	5	10	20

SKIRRET.

CULTURE.—Sow in drills half an inch deep and fifteen inches apart. Thin out to eight inches in the row. Take up roots before winter and store like carrots. Used like Salsify.

	Per pkt.	Oz.
606. Skirret	$0 10	$0 30

SPINACH.

CULTURE.—Sow in early spring in drills fifteen inches apart, and every two weeks for succession. For fall use sow in August, and for winter crop in September.

	Oz.	¼ lb.
608. Lettuce-Leaved. Popular French variety	$0 10	$0 15
609. Long Standing. (Round, thick-leaved)	10	15
610. New Zealand Summer	10	30
611. Prickly. Vigorous and hardy	10	15
613. Round-Leaved. A standard sort	10	15
614. Round Viroflay. Large leaves	10	15

SORREL.

CULTURE.—Sow in spring in drills eighteen inches apart, in rich soil. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. Cut and cook like spinach. Keep the flower stems cut off as they appear.

	Per pkt.	Oz.
615. Broad-Leaved French	$0 05	$0 15
615a. Common German	5	15

SQUASH.

CULTURE.—Sow in hills in the same manner and time as cucumbers ; the bush varieties four feet apart each way, and the running kinds six to nine feet apart.

	Per pkt.	Oz.
617. Boston Marrow. Oval, very fine	$0 05	$0 10
622. Early Golden Bush. Fine for summer use	5	10
623. Early White Scallop Bush. Fine, early.	5	10
624. Early Mammoth White Bush. Very large	5	10

	Per pkt.	Oz.
631. Giant Summer Crookneck. Very large.	$0 05	$0 10
633. Hubbard. The best late variety	5	10
637. Pineapple. Fine late sort	5	15
638. Perfect Gem. Fine quality; late	5	10
639. Pike's Peak. (The Sibley.)	5	10
639a. Prolific Marrow	5	10
643. Summer Crookneck. Long green striped	5	10
646. Turban. Good flavor	5	10
648. Winter Crookneck. Good keeper	5	10

TOMATO.

CULTURE.—Sow in hotbed in early spring. Transplant into the open ground as soon as all danger of frost is past, setting the plants three to four feet each way. Some support should be provided for the vines to keep the fruit from touching the ground; brush, hay, or anything of that sort will answer the purpose, or they may be tied to stakes.

	Per pkt.	Oz.
650. Acme. Very good variety, smooth	$0 10	$0 25
651. Beauty (Livingston). Large and smooth	10	25
657. Favorite (Livingston). Very productive.	10	25
657a. Golden Queen	10	25
659. Ignotum. Very prolific and early	10	25
663. Large Yellow. Large; deeply ribbed.	10	25
664. Mikado. Very large, smooth and solid	10	25
666. Ponderosa. Very large	10	1 00
668. Perfection (Livingston). Early and prolific	10	25
674. Red Cherry. Small, grows in bunches.	15	40
679. Trophy. Large; standard late sort	10	25
686. Yellow Cherry. Small yellow	10	30

TURNIP.

CULTURE.—For early turnips sow as soon as the ground can be worked in spring. For winter use sow in August in drills eighteen inches apart, and thin out to six inches in the drill.

	Per pkt.	Oz.	¼ lb.
690. Extra Early Milan. The earliest of all	$0 05	$0 10	$0 30
691. Early Snowball. Rapid grower.	5	10	20
692. Early Dutch. Good white, early	5	10	20
703. Purple-Top Munich. Very early.	5	10	30
705. Red-Top Strap-Leaf. A popular sort	5	10	15

SEEDS OF POT, SWEET AND MEDICINAL HERBS

Here are gathered together all the leading kinds of plants used either for seasoning or medicine They are very useful, not only in summer, but also in winter, when they can be preserved in a dry state.

	Pkt.
721. Anise (Pimpinella Anisum)	$0 05
724. Basil, Dwarf, or Bush (Ocimum Basilicum)	5
725. Basil, Sweet	5
728. Burnett	10
729. Borage (Borago officinalis)	5
730. Caraway (Carum Carui)	5
731. Catnip (Nepeta Cataria)	10
732. Coriander (Coriandrum sativum)	5
733. Dill (Anethum graveolens)	5
735. Fennel, Sweet (Fœniculum vulgare)	5

		Pkt.
742.	**Horehound** (Marrubium vulgare)	$0 5
743.	**Hyssop** (Hyssopus officinalis)	5
744.	**Lavender** (Lavendula Spica)	5
747.	**Marigold, Pot** (Calendula officinalis)	5
748.	**Marjoram,** " (Origanum vulgare)	10
749.	" **Sweet** (Majorana hortensis)	5
749a.	**Purslain** (Portulaca oleracea)	5
753.	**Rosemary** (Rosmarinus officinalis)	10
754.	**Rue** (Ruta graveolens)	5
756.	**Sage, Common** (Salvia officinalis)	5
758.	**Savory, Summer** (Satureja hortensis)	5
759.	" **Winter** (" montana)	5
760.	**Tansy** (Tanacetum vulgare)	5
760a.	**Tarragon, Russian** (Artemisia Dracunculus)	5
761.	**Thyme, Broad-Leaved English**	5
762.	" **French** (Thymus vulgaris)	5
763.	**Wormwood** (Artemisia Absinthium)	5
763a.	**Woodroof** (Asperula odorata)	10
764.	**Collection of 6 best kinds, my selection 25c.**	
765.	" " **12** " " " " **50c.**	

VEGETABLE ROOTS AND TUBERS.

		Per 1000.
Asparagus Roots, Conover's Colossal.	Two years old	$7 00
" " **Palmetto.**	Two years old	9 00
" " **Barr's Mammoth,**	Two years old	8 00

Chive Plants, Twenty-five cents per bunch.

		Per doz.	Per 100.
Cinnamon Vine Roots.	Three to five in. long,	$0 75	$5 00
Horse Radish Roots.	Cut in pieces	25	1 00

Jerusalem Artichoke. Twenty cents per qt.

	Qt.	½ pk.	Pk.
Onion Sets, Yellow	$0 25	$0 80	$1 25
" " **White**	30	1 00	1 75
" " " **Multiplier**	35	1 25	2 25
Shallots	35	1 25	2 00

Garlic Sets, per lb. 30c.
Rhubarb Roots, 10c. each ; $1.00 per doz.
Sea-Kale Roots, $1.00 per doz.

POTATOES.

		½ pk.	Bush.	Bbl.
Beauty of Hebron.	Standard early variety	$0 40	$1 75	$4 75
Early Puritan.	Extra early	40	1 75	4 75
" **Maine.**	A good early sort	40	1 75	4 75
" **Rose.**	One of the best	40	1 75	4 75
St. Patrick.	A good late sort	40	1 75	4 75
White Elephant	Extra productive.	40	1 75	4 75

Do not be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it You will find the *original* and *only*

W. A. MANDA

AT THE

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.

GRASS AND CLOVER SEEDS.

I beg to draw the special attention of my patrons to the Universal Lawn Grass Seed Mixture, which is prepared to give the best results for fine lawns; also to the cheap Pasture Grass Mixture for meadows. I would also be happy to supply grass and clover seed separate if desired.

MANDA'S UNIVERSAL LAWN SEED MIXTURE.

This lawn grass mixture is composed entirely of the finest quality of fine leaved dwarf-growing grasses, in such proportions as will enable it to withstand the extreme heat of our summers. The grasses which compose this mixture are extra well cleaned, so that all weeds are excluded, leaving nothing but the pure, clean seed.

I recommend four bushels to the acre. It is necessary to sow the seed very thick to get the most pleasing result—that is, a good lawn.

The best time to sow grass seed is in the spring or about the latter part of August. I prefer the spring. The success of establishing a good lawn depends much on the season and the condition of the ground at the time of sowing. A light raking in will protect the seeds greatly. Rolling, however, is at all times indispensable, and should any weeds appear they should be eradicated.

MANDA'S UNIVERSAL MIXTURE IS AS GOOD AS ANY AND BETTER THAN MANY.

	Per qt.	Pk.	Bush.
Manda's Universal Lawn Seed Mixture.	$0 25	$1 25	$4 50
Ordinary Lawn Grass Mixture	20	1 15	3 50
Pasture Grass Mixture			2 25

GRASS SEEDS.

(Prices Subject to Change.)

	Per lb.
Awnless Brome Grass (Bromus inermis)	$0 40
Creeping Bent Grass (Agrostis stolonifera)	20
Crested Dog's Tail (Cynosurus cristatus)	1 00
English Rye Grass (Lolium perenne)	14
Fine Leaved Sheep's Fescue (Festuca Ovina tenuifolia)	40
Hard Fescue (Festuca duriuscula)	30
Italian Rye Grass (Lolium Italicum)	15
Kentucky Blue Grass (Poa pratensis)	15
Meadow Fescue (Festuca pratensis)	22
" **Foxtail** (Alopecurus pratensis)	35
" **soft** or **velvet Grass** (Holcus lanatus)	25
Orchard Grass (Dactylis glomerata)	20
Red or **Creeping Fescue** (Festuca rubra)	30
Red Top Grass (Agrostis vulgaris)	10
Rhode Island Bent Grass (Agrostis canina)	25
Rough Stalked Meadow Grass (Poa trivialis)	50
Sheep's Fescue (Festuca Ovina)	30
Tall Meadow Fescue (Festuca elatior)	40
" " **Oat Grass** (Avena elatior)	25
Timothy or **Herd Grass** (Phleum pratense)	10

	Per lb.
Texas Blue Grass (Poa Arachnifera)	$3 00
Various Leaved Fescue (Festuca Heterophylla)	30
Wood Meadow Grass (Poa nemoralis)	60

CLOVERS.

(Prices Subject to Change.)

	Per lb.
Alfalfa, or Lucerne (Medicago sativa)	$0 20
Alsike, or **Hybrid Clover** (Trifolium hybridum)	30
Bokhara Clover (Melilotus leucantha)	40
Japan Clover (Lespedeza striata)	35
Mammoth Red, or **Pea Vine Clover** (Trifolium pratense perenne)	16
Red Clover, Medium (Trifolium pratense)	15
Scarlet Clover (Trifolium incarnatum)	15
Suckling Clover (Trifolium filiforme)	35
Sainfoin (Onobrychis sativa)	15
Trefoil, Yellow or **Hop Clover** (Medicago lupulina)	30
White Clover (Trifolium repens)	30

CEREALS AND AGRICULTURAL SEEDS.

I keep a complete list of the finest varieties of these seeds, unequaled for purity and cleanliness.

Parties desiring large quantities would do well to get quotations from me before ordering elsewhere.

PALM SEEDS.

Having to plant thousands of them myself every season, I am compelled to make large importations of these seeds yearly. They come from all quarters of the tropical world, such as New Zealand, Australia, the East and West Indies, South America and Africa. Orders are booked beforehand, and will be filled in succession as the goods arrive. The seed is unexcelled as regards purity and germination.

EVERGREEN AND DECIDUOUS TREE AND SHRUB SEEDS.

These are also imported from all parts of the world. Owing to the difficulty and great expense involved in securing these seeds, I will not offer quantities in less bulk than will cost 25 cents and upwards.

GRAPE SEEDS.

I offer seed of all the leading and very best varieties, both natural species and cultivated varieties.

W. A. MANDA,

Formerly managing partner of Pitcher & Manda, is no longer connected with the above, now a stock company, but will be found at the

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.,

where all letters and orders from his former friends and patrons will reach him.

FLOWER SEEDS.

Very extensive list of the choicest strains of Flower Seeds will be found arranged under the following headings: *Specialties in Leading Florist Flowers ; General Collection of Flower Seeds*, embracing everything worth growing, either annual, hardy perennial, greenhouse plants, vines and climbers, ornamental fruit, everlastings, grasses, etc., arranged alphabetically, while following same will be found a large number of *Special Assortments*, put up by their respective growers and specialists in Europe, and offered in original sealed packets.

SPECIALTIES IN LEADING FLORIST FLOWERS.

This department consists and includes all of the most important classes of plants, with their great variety, such as are or should be grown by every one.

The collections of such as *Asters*, *Pansies*, *Sweet Peas*, *Nasturtiums*, *Balsams Stock*, *etc.*, are complete, embracing every distinct and choice variety in cultivation. Under each heading I have given a short description and cultural direction of the various classes, also color of the varieties.

ASTERS.

Without doubt, taking all in all, this is one of the finest annuals we have. Its great diversity in form and color, combined with its fine qualities as a cut flower, makes it a universal favorite with every one. In color it runs in shades from pure white to the deepest red, and in form has as many changes, some varieties being incurved and reflex, while others have quilled and twisted petals. It is of easy culture ; sow in early spring in frame or garden ; transplant in rows about a foot apart each way.

		Per pkt.
Dwarf Queen.	Choice mixed	$0 10
" **Pyramidal.**	Finest mixed	10
" **Chrysanthemum.**	Pure white	10
" "	Peach blossom, fine sort	10
" "	Rose, very handsome	10
" "	Crimson, rich	10
" "	Fiery scarlet, splendid	10
" "	Light blue, extra fine	10
" "	Dark blue, very dark	10
" "	Finest mixed, choice	10
" **Victoria.**	White (improved)	10
" "	Rose, very handsome	10
" "	Peach blossom, extra fine	10
" "	Light blue, beautiful	10
" "	Finest mixed, choice	10
" **Pæony Perfection.**	Pure white, extra fine	10
" " "	Rose, exceedingly beautiful	10
" " "	Crimson, very rich	10
" " "	Azure blue or sky-blue, pretty	10
" " "	Light blue, very handsome	10
" " "	Black blue, very dark	10
" " "	Finest mixed, choice	10
" **Crown.**	(White centre), choice mixed	10
" **Comet.**	White and lilac, beautiful strain	10
" "	Carmine, bright and fine	10
" "	Light blue, very fine	10
" "	Light blue and white, very fine	10
" "	Rose and white, finest color	15

		Per pkt.
Dwarf Comet.	White, splendid novelty	$0 15
" "	Finest mixed, extra choice	10
Quilled German.	Pure white, improved	5
" "	White and rose, very pretty	5
" "	White with red centre, extra	5
" "	Rose and white, very pretty	5
" "	Dark red, very rich	5
" "	Crimson and white, excellent	5
" "	Sky-blue and white, exceedingly pretty	5
" "	Violet and white, very handsome.	5
" "	Finest mixed, extra choice	5
Large Globe-flowered German.	Choice mixed	5
Lilliput-flowered.	Choice mixed	10
Schiller.	Choice mixed	10
Princess, pure white or snowball.	Extra fine	15
Mignon, pure white.	Excellent for cutting	15
" **Peach Blossom.**	Extra fine	15
" **rose.**	Very fine	10
Pæony-flowered Globe or Uhland.	Choice mixed	10
Large Rose-flowered.	Choice mixed	10
Victoria.	**Pure white**	10
"	**Light yellow**	10
"	**White, turning to rose**	10
"	**White, turning to azure blue**	10
"	**Dark scarlet**	10
"	**Finest mixed**	10
Victoria Needle (Hedgehog).	Choice mixed	10
Washington.	Choice mixed	10
Imbricated Pompon.	Choice mixed	10
Pompon Crown (white centre).	Finest mixed	10
Truffaut's Pæony-flowered Perfection.	Snow white	10
" " " "	Crimson	10
" " " "	Dark red and white	10
" " " "	Dark scarlet	10
" " " "	Dark blood red.	10
" " " "	Light blue	10
" " " "	Black blue	10
" " " "	Finest mixed	10
Betteridge's Quilled.	Choice mixed	5
Crown or Cocardeau (white centre).	Choice mixed	10
Pyramidal-flowered, German.	Choice mixed	10
Tall Chrysanthemum.	Pure white	10
" "	Rose	10
" "	Rose and white	10
" "	Cherry red	10
" "	Hortensia red	10
" "	Finest mixed	10
Goliath.	Choice mixed	10
Giant Emperor.	Choice mixed	10
Choice mixture, comprising all the types		10
Ordinary mixture of leading sorts		5
One packet of each of the 79 kinds for only		5 75

PANSIES, SHOW.

Below you will find a list of the very finest of show pansies of incomparable size, beauty and luxuriance, especially my finest mixture.

In this mixture I have spared no pains in securing the finest strains and mixing carefully, only using those which I knew would give the best results. For size, coloring and abundance of flowers, this strain has no equal. They do best in summer in a cool, moist situation. Highly recommended for indoor culture in the winter.

	Per pkt.
Manda's finest mixture, extra selected strain	$0 50
Extra fine choice mixed, good useful mixture	25

	Per pkt.
Ordinary mixture of standard varieties	$0 10
Odier, extra choice large blotched flowers	25
Cassier, very large flowered fine	25
Bugnot's superb fine strain	50
Superb mixture of the Odier, Cassier and Bugnot's strains	25
English choice mixture for general purpose	25
French fine strain of choice and bright colors	25
Trimardeau or Giant Pansies, enormous flowers, extra	25

One packet of each of the above 10 kinds for $1.85.

PANSIES, BEDDING.

These differ from the above in their flowers being smaller, but they are produced in greater profusion. They form bushy plants covered with bloom, and are better adapted for bedding, as the color of the flowers is mostly solid in this class, and they are therefore better able to stand the sun than the fancy forms of the show pansies.

Cliveden, purple }	$0 15
" white } excellent varieties for bedding	15
" yellow }	15
Azure Blue, choice extra fine	15
King of the Blacks (Dr. Faust), very dark variety	15
Black Blue (dark blue), fine strain	15
Snow Queen, candidissima, delicate satiny white	15
Light Blue, sky-blue	15
Lord Beaconsfield, very effective	15
Red Shades mixed, extra fine	15
Yellow, fine rich color for bedding	15
Pure White, good form and clear color	15
Gold Margined, splendid variety	15
Silver edged (Atropurpurea albomarginata), charming	25
Violet margined with white, extra fine	15
Choice mixture of Bedding Pansies, best varieties	15
One package of each of the above 16 varieties for	1 75
One packet of each Show and Bedding kinds, 26 packets for	3 25

SWEET PEAS.

This is also a great favorite in the garden. The odor, the beautiful shading, and the abundance with which it produces its flowers, combined with usefulness as a cut flower, have made it a very popular plant.

It does well planted along the side of fences, or, in fact, any place where it can climb or twine over. For general culture sow in spring, as early as the ground can be worked, in drills four inches deep; when large enough hoe up a little soil to them, and brush the same as ordinary garden peas.

	Per pkt.	Oz.
Alba magnifica. Best pure white	$0 05	$0 20
Apple Blossom. Bright pink and blush	5	20
Blanche Ferry. Large pink and white, early	5	20
Butterfly. White and lilac	5	20
Blushing Bride. A new and splendid variety	10	45
Boreatton. Bronze-crimson and purple	5	20
Capt. of the Blues. Bright purple and pale blue	5	20
Cardinal. Crimson scarlet	5	20
Delight. White, tinted rose	5	20
Duchess of Edinburgh. Scarlet and rose	5	20
Empress of India. Rosy pink and white	5	20
Emily Henderson. Grand new white	10	
Fairy Queen. Beautiful white and pink	5	20
Her Majesty. Beautiful soft rosy pink	10	45

	Per pkt.	Oz.
Indigo King, Rich Indigo black and blue, fine	$0 05	$0 20
Ignea. A splendid new variety	10	45
Iza Eckford. Rosy pink and carmine	5	20
Lemon Queen. Blush pink and lemon	10	45
Mrs. Eckford. White shaded crimson	10	45
Mrs. Sankey. Pure white, large flower	10	45
Mrs. Gladstone. Bright pink, rosy blush wings	5	20
Orange Prince. Bright orange-pink	5	20
Painted Lady. Rose and white	5	20
Primrose. Pale primrose yellow, extra	10	45
Princess of Wales. White with Indigo blue	5	20
Princess Victoria. Very beautiful variety	10	45
Queen of England. Pure white, charming variety	10	45
Scarlet Invincible. Very effective red variety	5	20
Splendor. Bright rose flushed crimson	5	20
The Queen. Pink, with mauve wings	5	20
Choice Eckford Hybrids, mixed per lb. $1 00	5	15
Choice mixed, all colors....per lb. 60	5	10
The complete collection of 32 above kinds for		1 50

NASTURTIUM (TROPÆOLUM).

For covering rockwork and fences, or hanging from vases, baskets or boxes, there is nothing can excel the tall growing nasturtium. The dwarf variety is greatly used for bedding and planting around shrubbery; they are of the easiest culture, and flower freely the whole season, while the best varieties may be brought into the greenhouse, where they will give a profusion of flowers all winter.

	Per pkt.
Canariense (Canary Flower), fine	$0 05
Moritzianum, yellow and scarlet, new	15
Lobbianum Asa Gray, yellowish white extra	10
" **Brilliant,** dark scarlet	5
" **Cardinale,** dark scarlet	5
" **Crown Prince of Prussia,** blood red	10
" **Lucifer,** very dark scarlet	10
" **Napoleon III.,** golden yellow, spotted with brown	10
" **Roi des noirs,** dark brown	5
" **Spitfire,** bright scarlet	5
" **Choice mixture,** finest	5
Majus atropurpureum, crimson	5
" " **foliis aureis,** new	5
" **Coccineum,** scarlet	5
" **Dunnett's Orange,** choice variety	5
" **hemisphæricum,** orange, handsome	5
" **luteum,** yellow, variety, effective	5
" **finest mixed,** all colors	5
Tom Thumb (nanum), Dwarf Aurora, new	5
" " **Beauty,** yellow and scarlet	5
" " **Coccineum,** scarlet extra	5
" " **Atropurpureum,** dark crimson	5
" " **Cœruleo-roseum,** very fine	5
" " **Crystal Palace Gem,** extra fine	5
" " **Empress of India,** dark leaved	5
" " **Golden King,** fine yellow form	5
" " **King of Tom Thumbs**	5
" " **King Theodore,** very dark	10
" " **Lady Bird**	5
" " **luteum,** yellow	5
" " **Pearl,** white	5
" " **Rose,** very fine	5

	Per pkt.
Tom Thumb, Ruby King, very fine	$0 05
" " **Scheuerianum Coccineum**	5
" " **Spotted**	5
" " **finest mixture**	5
Choice mixture of all above sorts	5
One packet of each of the above 37 kinds for	1 85

STOCKS.

These well-known favorites need no description, as they are indispensable to all lovers of flowers.

Their beautiful flowers, borne on graceful spikes, combined with their lasting qualities, make them excellent for cutting purposes.

The list below contains the finest strains that can be produced, and will be sure to give satisfactory results.

Sow, as early as possible, in frames or in the open ground. When large enough, plant in small pots, so as not to disturb the roots when transplanting.

	Per Pkt.
Large-Flowering Dwarf Ten-Week. Pure white	$0 10
" " " " Sulphur yellow	10
" " " " Brilliant rose	10
" " " " Carmine	10
" " " " Dark crimson	10
" " " " Blood red	10
" " " " Copper red	10
" " " " Lilac	10
" " " " Light blue	10
" " " " Violet	10
" " " " Purple brown	10
" " " " Finest mixed	10
Perpetual Dwarf Ten-Week. Choice mixed	10
Large-Flowering Pyramidal Ten-Week. Choice mixed	10
Large-Flowering Dwarf Pyramidal Ten-Week. Finest mixed	15
Tree, or **Giant Ten-Week.** Choice mixed	10
Giant Perfection Ten-Week. Choice mixed	10
Large-Flowering Wallflower-Leaved Ten-Week. Choice mixed	10
East Lothian Autumnal. Finest mixed	15
Large-Flowering Emperor. Finest mixed	15
Winter, or **Biennial Brompton.** Finest mixed	10
Wallflowers, Double Tall Tree. Finest mixed	10
" **Double Tall Branching.** Finest mixed	10
" **Double Dwarf Branching.** Finest mixed	10
" **Single.** Finest mixed	5
Choice Mixture of the finest varieties, only	10
One Packet of each of the above 26 kinds, for only	2 25

ZINNIA.

One of the most striking garden annuals, producing a perfect mass of flowers until killed by frost.

There is no plant which has such a diversity in the gorgeous shadings of its flowers.

As a cut flower its long stems and good keeping qualities make it very desirable.

Sow in frames or greenhouse in March, or in the open ground in May. When large enough, transplant to about twelve or fifteen inches each way.

	Per pkt.
Elegans single, pure white	$0 05
" " sulphur yellow	5
" " scarlet	5
" " golden yellow	5
" " crimson	5
" " finest mixed	5

	Per pkt.
Elegans fl. pl. Tall Double pure white	$0 05
" " " sulphur yellow	5
" " " golden yellow	5
" " " flesh	5
" " " rose	5
" " " lilac	5
" " " scarlet	5
" " " crimson	5
" " " purple	5
" " " dark purple	5
" " " finest mixed	5
" " **Double Pompon** (Darwini fl. pl.)	5
" " **grandiflora robusta plenissima,** Giant Zinnias, mixed	5
" " " **aurea,** golden yellow	10
" " **Lilliput flowered,** choice mixed	10
" " **striata,** striped (Zebra Zinnia)	10
Dwarf Double finest mixed	5
Tom Thumb double mixed, excellent	10
Choice Mixture of the finest varieties only	5
One of each of the above 26 varieties for only	1 25

BALSAMS (LADIES' SLIPPERS).

One of the showiest and most beautiful summer garden annuals. Forming bushy plants, profusely covered with large double flowers of brilliant colors. It succeeds well in most any situation, but prefers rich soil.

Sow in frames or greenhouse in March, or in the open ground in May. When large enough, transplant, allowing each plant about one square foot for its development.

	Per pkt.
Double Rose Flowered. Pure white	$0 10
" " " Pale yellow	10
" " " Flesh color	10
" " " Rose	10
" " " Pomegranate red	10
" " " Scarlet	10
" " " Crimson	10
" " " Lilac	10
" " " Violet	10
" " " Fine mixture	10
Double Spotted. Fine mixture	10
Improved Camellia Flowered. Finest mixed	10
Carnation, Striped. Finest mixed	10
Dwarf Spotted (atrosanguinea plenissima). Deep blood red	10
" " **Solferino.** Very fine	10
" " **Victoria.** Very fine,	10
Choicest Mixtures of the finest varieties	10
Ordinary Mixture	5
One packet of each of the above 18 kinds, for only	1 25

PETUNIA.

Without doubt the grandest annual we have for massing or bedding. Its gorgeous colored flowers, which are borne in such great profusion, filling the air with a pleasant aroma, make it a great favorite with all lovers of flowers. Sow in the early spring in frame or greenhouse, and when large enough transplant in boxes or pots, planting into the open ground about the middle of May. It delights in a rich soil and a warm, sunny exposure. The double varieties come only partly true from seed.

	Per pkt.
Hybrida. Mixed very fine quality	$0 05
" Finest mixed 1st quality	10
" **alba.** Pure white, very fine	10

	Per pkt.
Hybrida inimitable. Striped and blotched	$0 25
" " **Dwarf** (Nana compacta multiflora.) Striped effective	25
" **intus aurea.** Yellow throat, fine	25
" **kermesina.** Crimson, fine	25
" **venosa.** Veined varieties, extra	10
Petunia, Large-Flowering. Choice	10
Grandiflora alba. White, very beautiful	25
" **Single Large-Flowerimg.** Superb, Mixed	25
Petunia Fringed, Large-Flowering	25
" **Fimbriata alba.** Pure white	25
" " **Single Fringed.** Superb, Mixed	25
Double Lilliput (nana compacta multiflora fl. pl.) Self spotted and striped fine	75
" **Large-Flowered (grandifl. fl. pl.)** Excellent strain, choice mixed	75
" **Fringed Large-Flowered (grandifl. fimbriata fl. pl.)** Charming flowers, extra	75
Choice Mixture of the above varieties	20
One Packet of each of above 18 varieties	4 50

POPPIES (PAPAVER.)

This family comprises some of the finest gems to be found in the flower garden. The various gorgeous colored flowers are borne profusely, in early summer, on long. graceful stems, producing one of the grandest effects imaginable when planted in masses.

The annual varieties of this beautiful plant should be sown in the open ground in May. Great care must be taken when thinning out not to disturb the plants intended to remain. The herbaceous varieties should be sown in a cold frame, and pricked off in small pots, transplanting when the weather permits in the garden, where they are not likely to be disturbed. Both the Annual and Perennial varieties should not be transplanted after they reach flowering size.

POPPIES, ANNUAL.

	Per pkt.
Papaver Danebrog. Brilliant scarlet with silver gloss	$0 05
" **glaucum.** The new Tulip Poppy, rich red	10
" **umbrosum.** Red with black blotches	5
" Double carnation. Finest mixed	5
" " Pæony-flowered. Finest mixed	5
" " dwarf Pæony-flowered. Finest mixed	5
" " dwarf Carnation. Finest mixed	5
" Cardinale (Cardinal Poppy). New	5
" Dwarf Ranunculi-flowered. Finest mixed	5
Choice mixture of Annual varieties	5
One packet of each of the above ten kinds for	40

POPPIES, PERENNIAL.

	Per pkt.
Papaver alpinum luteum. Very fine	$0 10
" " **album.** White, charming	15
" " **aurantiacum.** Splendid	10
" **bracteatum.** Scarlet, fine color	5
" " **nanum splendens.** Extra fine	10
" **involucratum maximum.** Scarlet	5
" **nudicaule (croceum).** Yellow, very fine	10
" " **fl. pleno.** New, very fine	10

	Per pkt.
Papaver nudicaule album. White, splendid	$0 10
" " " **fl. pleno.** Double white	10
" " **aurantiacum (miniatum).** Bright orange	10
" " " **fl. pleno.** Splendid novelty	25
" **orientale.** The darkest red, fine	15
Choice mixture of all Perennial kinds	5
One packet of each of the 14 Perennial kinds for	1 35
One of each of the Perennial and Annual sorts, the 24 kinds for	1 50

VERBENA.

Unrivaled in its dazzling brilliancy, the verbena is unsurpassed by no annual as a bedding plant.

From early summer until killed by frost it is literally ablaze with the most gorgeous colored flowers imaginable.

As a cut flower it is indispensable, and no garden should be without it. Of easy culture, it should be sown in open ground in May, and thin out so that each plant will have about a square foot for development.

Better results will be obtained if sown in a frame or greenhouse in early spring, and pricked off in pots or boxes before planting out. In the Southern States it takes the form of a perennial, coming up year after year of its own accord.

	Per pkt.
Citriodora (lemon verbena). Fragrant	$0 25
Hybrida. Good quality, mixed	5
" **Extra choice mixture**	10
" **1st quality of elite varieties only**	10
" **auriculæflora.** Choice mixed	10
" " **cœrulea.** Large flower, sky blue	10
" " **purpurea.** Violet, white eye	10
" **Black-blue with white eye**	10
" **candidissima.** The purest white	10
" **coccinea.** Scarlet, very strong	10
" **cœrulea.** Blue shades	10
" **Defiance.** Scarlet, brilliant for bedding	10
" **lutea.** Yellow, distinct	10
" **striata.** Italian carnation-like, striped	10
" **Mammoth,** new, large-flowered	25
" **erecta coccinea.** Beautiful	10
" " **Defiance**	10
" **nana candidissima.** Very dwarf	10
One packet of each of the above 18 varieties for	1 75

TAGETES (DOUBLE MARIGOLD.)

One of the most popular garden flowers, doing well in most any situation, and being very effective planted in groups or for massing. The plants grow bushy and are covered with flowers all summer. They have been greatly improved lately in size and doubleness. Sow in March in frames or greenhouse ; transplant to open ground in May, about fifteen inches apart.

African Marigold.

	Per pkt.
Erecta fl. pleno aurea, tall orange	$0 05
" " " **sulphurea,** tall lemon	5
" " " **fistulosa aurea,** yellow quilled	5
" " " " **sulphurea,** quilled, sulphur color	5
" " " **nana aurea,** dwarf yellow	5
" " " " **sulphurea,** dwarf sulphur	5
" **Tall African Sorts,** fine mixed	5
" **Dwarf** " " " "	5

French Marigold.

	Per pkt.
Patula fl. pl. aurea, orange	$0 05
" " " **pumila**, semi-dwarf	5
" " " **pulchra**, yellow and brown	5
" " " **ranunculoides**, dark brown	5
" " " **striata**, yellow and brown striped	5
" " " **nana**, dwarf crown	5
" " " " **aurea**, very fine	5
" " " " " **fistulosa**	5
" " " " **grandifl.**, new large-flowering	10
" " " " **pulchella**, very fine	5
" " " " **striata**, dwarf striped	5
" " " " **sulphurea**, fine	5
" **Tail Double French**, mixed	5
" **Dwarf** " " "	5
Finest mixture of all the above	5
One packet of each of the above 25 varieties for	1 00

PHLOX DRUMMONDI.

For beds and massing there is nothing can surpass this annual in beauty.

It produces large trusses of brilliant flowers of numberless shades and markings throughout the summer.

The extent to which it is grown proves that it is a great favorite among flower lovers.

	Per pkt.
Alba. Pure white	$0 10
Alba flore pleno. Very fine	10
Atropurpurea (Black Warrior). Deep blood purple	10
Brilliant. Very effective	10
Fimbriata. Finest mixed	10
Lutea fl. pleno, double yellow	10
Rosea. Pure rose	10
Grandiflora. Fine mixed	10
" **alba.** Pure white	10
" **kermesina splendens.** Vivid crimson	10
Cuspidata. Finest mixed	10
Graf Gero. Finest mixed	15
Heynholdi. Choice mixed	10
Nana Compacta nivea (Snowball). White ; excellent	10
" " **sanguinea (Fireball).** Extra	10
" " **splendens.** Crimson, white eye	10
" " extra fine mixed	10
Choice Mixture of the very best sorts	10
Ordinary Mixture	5
One of each of the above 19 kinds for only	1 25

AQUILEGIA (COLUMBINE.)

For spring and early summer decoration there is no plant among the hardy herbaceous varieties that makes such a display as the Columbine, with its profusion of large flowers, varying and combining all the colors imaginable. If sown in February, potted and planted in April, they will make a grand show the following year. They are well adapted for borders, rockwork or wild gardens.

	Per pkt.
Alpina, blue, early	$0 10
" **atrocœrulea**, fine deep color	10
" **superba**, blue and white fine	10
Arctica, brick-red and green	10
Aurea, every fine	15
Bicolor fl. pleno, blue and white	10
" **rubra** fl pleno	10
Californica hybrida, fine variety	10
Canadensis, scarlet and yellow	5
" **atropurpurea** new	10

	Per pkt.
Canadensis nana, quite distinct	$0 10
Caryophylloides fl. pl. striped varieties	10
Chrysantha, golden yellow, fine	10
" **grandifl. alba**, semi-dwarf	25
" **nana**, semi-dwarf, fine	25
Cœrulea, very beautiful species	25
" **hybrida (haylodgensis)**, large sulphur-yellow flowers, blue spurs and sepals	10
Durandi fl. pleno, striped very fine	10
Flabellata nana alba, white semi-dwarf	10
Formosa fl. pleno, blue, large flowers	10
" **rubra fl. pleno**, reddish var	10
Glandulosa (major), dark blue	15
" **vera**, very beautiful	25
Jaetschaui, large yellow flowers	10
Jucunda fl. pleno, copper-rose	10
Leptoceras lutea, yellow dwarf	25
Lucida fl. pleno, scarlet	10
Nivea grandifl., creamy white	10
Olympica, large blue flowers	10
" **fl. pleno**, fine	10
Skinneri, scarlet tipped with green	10
" **hybrida fl. pl.**, new fine	10
Spectabilis, dark blue, very fine	10
Stellata fl. pl., erect-flowered	10
" " **alba**, rare variety	10
Stuarti, flowers 4-inch in diameter	25
Truncata, scarlet and yellow dwarf, earliest	25
Vervæneana fol. varieg., beautiful	10
" " " **atroviolacea plenissima**	10
" " " **fl. pleno**, very fine	10
Vulgaris fl. pl., double varieties, mixed	10
" **alba fl. pl.**, double white	10
" **fol. aureis**, new, very fine	25
Choice mixture of above varieties	10
One packet of each of the above 43 varieties for	4 25

DIANTHUS (Pinks).

Highly valued for their great beauty, and the fragrance of their flowers, which embrace the most brilliant and rich variety of colors.

They make splendid bushy plants, which are indispensable for beds and borders.

As they are very free flowering and one of the best garden flowers for cutting, no one should be without them. They also make very beautiful pot plants. Sow early in frames or greenhouse, and plant out in May.

	Per pkt.
Barbatus fl. pl. Double Mixed. Extra fine	$0 10
" " **Albus.** New White	10
" **Dunnetti fl. pl.** Fine Variety	10
" **Nanus Compactus fl. pl.** New	10
" **Oculatus Marginatus.** (Hunt's Perfection.)	10
" " " **fl. pl.** Fine	10
Chinensis fl. pl. Finest Double Mixed	10
" **Albus fl. pl.** Double White	10
Heddewigi (mixed). The finest Annual	10
" **Hybridus fl. pl.** Choice Mixed	10
" " **Albus fl. pl.** Double White	10
" " **Diadematus fl. pl.** (Diadem Pink.)	10
" **Laciniatus fl. pl.** Finest Double	10
Imperialis fl. pl. (Double Imperial Pink.) Fine	10
" **Albus fl. pl.** Double White	10
" **Nanus Albus fl. pl.** Dwarf White	10
Plumarius Albus fl. pl. "**Virginal.**" Pure White	10
Mixed, all sorts	10
One packet of each of the above 17 varieties for	1 50

LARKSPUR, ANNUAL.

This is a very useful plant, easily raised from seed sown either in frames in February or out of doors in April. The large spikes of various shades of colors are very useful for cutting purposes.

	Per pkt.
Dwarf German Rocket (Hyacinth-flowered). Mixed	$0 05
Giant Hyacinth-flowered. Choice mixed	5
Tall German Rocket. Choice mixed	5
Stock-flowered, Tall Branching. Finest mixed	5
Ranunculi-flowered. Mixed	5
Dwarf Candelabrum-formed. Finest mixed	10
Emperor. Splendid mixture	5
Choice mixture of the above varieties	5
One packet of each of the above 8 varieties for	40

PERENNIAL LARKSPUR.

One of the finest class of hardy plants. Thrive well in any garden soil, and will flower in great profusion the second year after sowing. D. formosum, if sown early, will flower the first year. The color of the flowers, which are produced in long spikes, varies in different shades of blue.

	Per pkt.
Delphinium Barlowi. Large dark blue flowers	$0 25
" **Ajacis.** See Larkspur, Annual, above.	
" **Brunonianum.** Blue, new, musk-scented	25
" **Cashmerianum.** Monkshood-like flowers, dark blue	10
" **elatum Le Mastodonte.** Large blue flowers, beautiful	20
" " **hybridum.** Finest mixture	5
" **formosum.** Dark blue, beautiful flowers.	5
" " **cœlestinum.** Sky-blue, splendid.	10
" **Hendersoni.** Dark blue variety, very fine	5
" **hybr. fl. pl.** (Double finest mixed), extra.	25
One packet of each of the above 10 varieties for	1 00
One packet of each of Annual and Perennial varieties	1 35

AMARANTUS.

This is one of the finest plants we have for sub-tropical bedding or massing. Its gorgeous colored leaves and robust habit give it a striking appearance.

It does best in a sunny position, and wants a good rich soil. Sow in early spring, and plant in small pots when transplanting; allow each plant about twelve inches so that they may fully develop.

	Per pkt.
Amarantus amabilis tricolor. Fine	$0 15
" **bicolor ruber.** Carmine-scarlet	5
" **caudatus (Love-lies-bleeding.)** Red	5
" **cruentus (Prince's Feather.)** Red	5
" **Henderi.** Splendid	5
" **melancholicus ruber.** Blood-red leaves	5
" **salicifolius.** Highly decorative	10
" **tricolor (Joseph's Coat.)**	5
" " **splendens (improved.)** Splendid	10
Choice mixture of the above varieties	5
One packet of each of the above 10 varieties	50

CANDYTUFT (IBERIS).

Flowering profusely during summer, and being suitable for beds, edgings and borders, give this a prominent position in the flower garden. It is also valuable for cutting.

Sow in the open ground in May, and thin out so that they may have plenty of room to develop.

	Per pkt.
Affinis. White dwarf, extra fine	$0 05
Amara. White, one of the best	5
Coronaria (hesperidiflora.) Rocket Candytuft	5
" **Empress.** Pure white candelabrum	5
Umbellata albida. Creamy white, fine	5
Gibraltarica. Very large flowers, beautiful	5
" **hybrida.** Very dwarf, extra fine	10
Jucunda rose. An excellent variety	15
Sempervirens. White, very fine, hardy	10
Mixed all colors	5
One packet of each of the above 9 varieties for	50

CALENDULA (MARIGOLD).

A dwarf growing bushy annual, blooming continuously and abundantly all summer until killed by frost. Sow in March, and when large enough plant in boxes or pots, and as soon as the weather is favorable into the open ground, about fifteen inches apart. They are indispensable for the summer garden or for pot culture during winter.

	Per pkt.
C. officinalis fl. pl. grandiflora. New, beautiful	$0 05
" " " **Le Proust**	5
" " " **grandiflora sulphurea.** New, very fine	5
" " " **Meteor.** Striped light orange	5
" " " **Prince of Orange.** Extra fine	5
" **pluvialis (Cape Marigold).** White flowering	5
" **Pongei fl. pleno.** White double flowers, beautiful.	5
All varieties mixed	5
One packet of each of the above 6 varieties for	25

CALLIOPSIS (COREOPSIS).

This beautiful class of showy summer blooming plants, with large bright flowers borne in great profusion all summer long, are worthy of a place in every garden. They are elegant for massing, and fine for cutting. Sow in open ground in May, and when large enough thin out so that they will have plenty of room for development, or sow indoors, and plant out after all danger of frost is passed.

	Per pkt.
Atkinsoni. Yellow and brown	$0 05
Bicolor marmorata. Yellow and red-brown	5
" **nana.** Dwarf, fine variety	5
Cardaminifolia bicolor. Handsome strain	5
Coronata. Yellow, large-flowered, very fine	5
Drummondi (basalis picta.) Very good variety	5
Mixed, all colors	5
One packet of each of the above 6 varieties for	25

FOXGLOVE (DIGITALIS).

An old favorite and an old-fashioned plant, one that should be in every garden. It grows 2 to 4 feet high, bearing large spikes of richly colored flowers in June and July. It does best in rich, warm soil, and although a Perennial, it is best to raise new stock every second year, which is easily done by sowing the seeds early and transplanting same when the spring opens.

	Per pkt.
Buxbaumi. Yellow	$0 05
Canariensis. Yellow	15

		Per pkt.
Gloxiniæflora purple.	Very beautiful class, with spotted flowers.	$0 05
" **alba.**		5
" **rosea.**		5
" **finest mixed.**		5
Grandiflora. Yellow dwarf, fine		5
Lutea. Dwarf		5
Maculata superba (Ivory spotted)		5
Monstrosa. Splendid mixed, beautiful		5
Purpurea alba. Very beautiful		5
" **rosea.** Very fine		5
Choice mixture of above varieties		5
One packet of each of the above 13 varieties for		60

CAMPANULA (HAREBELL.)

Some of the most beautiful plants we have when in bloom. They are of a very robust habit, forming perfect pyramids of bloom. The flowers, of beautiful shades, are about three inches in length, and are produced in great profusion,

They last in perfection for weeks during the early summer. A fine border plant; with the exception of C. Medium, or Canterbury Bells, they are all hardy perennials.

		Per pkt.
Medium (Canterbury Bells). Single blue		$0 05
" **flore pleno.** Double blue		10
" **alba.** Single. Pure White		5
" " **fl. pleno.** Double. Pure White		10
" **striata.** Striped. Very Fine		5
" **calycanthema blue.**	Very fine varieties	10
" " **alba.**		10
" " **nana (Benary).** Blue. Fine		10
" " **striata.** Very pretty		10
" " **rosea (Benary).** New		10
Choice Mixture of Canterbury Bells. Fine		5
Persicifolia. Blue. Tall		10
" **flore pleno.** Double blue		15
" **alba flore pleno**		15
Pyramidalis. Blue.	Most beautiful sorts.	5
" **alba.** White.		10
Rhomboidea fl. pl. Dark blue. Dwarf		10
Speculum procumbens. Fine Annual		5
Fine Mixture of the above		5
One Packet each above 19 varieties for		1 45

GODETIA.

Very attractive and handsome annuals, of a dwarf, compact habit. A great peculiarity of the many-colored flowers is that they glisten in the sunlight like satin. Sow in the open ground in May, thin out, and tran plant about ten inches apart.

	Per Pkt.
Amœna. Dark Rose	$0 05
Duchess of Albany. Large flowered	5
Fairy Queen. Large White. *Splendid*	15
Grandifl. Maculata. White with Crimson Spots	5
Pearl. Lilac with Red Spots. Dwarf	5
The Bride. Crimson and White. Fine	5
White Pearl. Pure White. Excellent	10
Whitneyi. Very attractive	5
" **Lady Albemarle.** Dark Crimson	5
" **Satin Rose (compacta Brilliant).** Bright Carmine. Effective	10
Choice Mixed of the above	5
One Packet of each of the above varieties for	50

IPOMŒA (Moon Vines).

Very rapid-growing summer climbers. Among our prettiest for covering fences, trellises, arbors or anything that they can cling to.

They delight in a warm, sunny situation, and under these conditions will grow luxuriantly. Sow in the open ground as soon as all danger of frost is past, or earlier indoors and plant out in May.

	Per Pkt.
Bona Nox. Large Blue Flowers	$0 05
Grandiflora Alba. (Mexicana.)	10
Hederacea Grandiflora Superba. Sky-blue, white-margined	15
" " " **Alba**	5
" " " **Atroviolacea**	5
" " " **Fol. Marmoratis**	5
Purpurea (Convolvulus Major). Mixed	5
Quamoclit (Cypress Vine). Scarlet	5
" **Alba.** Pure White	5
Mixed, all sorts	5
One Packet of each of the above 10 varieties for	50

PENTSTEMON.

Hardy herbaceous plants, of a highly ornamental character, graceful in habit, and remarkable for their abundance as well as individual beauty of their tubular blossoms.

They possess charms which claim for them a place in every flower garden.

They are of easy culture, and enjoy a good rich soil and sunny exposure.

	Per pkt.
Campanulatus. Light blue	$0 10
Clevelandi. Red, fine variety	10
Cobæa. Large white, shaded with blue	10
Cordifolius. Scarlet, dwarf, fine	10
Digitalis. White tinted with violet	5
Glaber. Dwarf blue, fine	10
Gentianoides (Hartwegi hybridus)	10
Jeffreyanus. Sky-blue, extra fine	10
Lobbi. Yellow, very showy	10
Murrayanus. Scarlet, very fine	10
Ovatus. Blue, very beautiful	10
Palmeri. Peach, very fine	10
Puniceus. New brilliant scarlet	10
Speciosus. Blue, very fine	10
Spectabilis. Blue and red, beautiful	10
Wrighti. Brilliant scarlet, very showy	10
Mixed, all colors	10
One packet of each of the above 16 varieties for	1 25

SCHIZANTHUS.

Popular garden annuals, flowers beautifully fringed and delicately colored. They grow from one to two feet high, and are of easy culture, succeeding well in sunny location and well-drained soil.

	Per pkt.
Grahami, red	$0 05
Grandiflorus oculatus, purple	5
Papilionaceus, purple, with dark violet, yellow, crimson, etc., charming	5
Pinnatus, blue floriferous	5
Retusus, red, fine variety	5
Choice Mixed, very showy	5
All colors mixed	5
One packet of each of the above 7 varieties for	25

GOMPHRENA (EVERLASTING).

Another pretty summer garden annual, of a vigorous habit. The various colored flowers are produced in great profusion all summer until killed by frost. Sow in spring, and transplant as soon as the weather permits, twelve to fifteen inches apart. Like all Everlastings the flowers can be preserved a long time after being cut.

	Per pkt.
Gomphrena aurea superba (Haageana.) Orange	$0 05
" **globosa alba** (Globe Amaranth)	5
" " **carnea,** flesh	5
" " **rosea,** new	5
" " **rubra,** purple	5
" " **variegata,** striped	5
Choice mixture of the above	5
One packet of each of the above 7 varieties for	25

XERANTHEMUM (EVERLASTINGS).

A showy annual of the easiest culture. The various colored flowers, which have a peculiar dry character, may be cut and preserved for a long time. Sow early indoors and transplant out in May.

	Per pkt.
Annuum plenissimum	$0 10
" **atropurpureum extra**	5
" **plenissimum album** (very)	5
" " **imperiale** (fine)	5
" " **roseum** (varieties)	5
" **superbissimum, fl. pl.**	5
" " **album, fl. pl.** (pompon)	5
" " **imperiale fl. pl.** (flowered,)	5
" " **roseum** " "	5
" **double sorts,** finest mixed	5
All colors mixed	5
One packet of each of the above 10 varieties for	40

CINERARIA.

One of the most beautiful spring flowering plants for greenhouse or conservatory decoration.

When well grown the flowers measure about two inches across, and cover the plant with a mass of bloom. Sow in late summer in a light compost. When large enough transplant in small pots and shift as required. They do best when kept in a cool place, and will do well in a frame protected from the frost.

	Per pkt.
Hybrida Grandiflora. Large-flowered. Choice Mixed.	$0 50
" " **Nana.** Dwarf. Fine strain	50
" **Plenissima.** Double. Choice Mixed	1 00
Choice Mixture of the three Strains	50
One Packet of each of the above 4 kinds for	1 50

CALCEOLARIA.

Beautiful plants for greenhouse and conservatory decoration.

The curious pocket-shaped flowers are borne in the greatest profusion during the spring and summer. They vary greatly in color; some are self-colored, while others are beautifully spotted and blotched. Sow in late summer in shallow pans; transplant in thumb pots and shift as required. They like a cool situation, and will do well in a frame protected from frost.

	Per Pkt.
Grandiflora. Large-flowered. Fine Strain	$0 50
" **Pumila Compacta.** Dwarf. Self-colored.	50
" **Tigrina.** Tigered or Spotted. Choice Mixed	75

	Per pkt.
Grandiflora Tigrina Pumila Compacta. Dwarf	$0 75
" **Striata.** New. Striped. Extra Fine	50
Rugosa. (Shrubbery or Bedding.) The true bedding variety	25
Choice Mixture of the above	50

PRIMULA (Primrose).

One of the finest winter flowering greenhouse plants. The list below contains only the finest strains procured from the greatest specialist in Europe. Sow in early summer in shallow boxes or pans. When large enough, plant in small pots and shift as required. They enjoy rather a cool position, and will do well in a frame protected from frost.

	Per Pkt.
Primula Chin. fimbriata rubra. Red	$0 50
" " " **alba.** White. Excellent strain	50
" " " " **magnifica** (Williams)	75
" " " **fringed.** Finest Mixed. First Quality	50
" " " **filicifolia. Finest Mixed**	50
" " " **globosa.** " "	50
" " " **fl. pl. Double White.** Pure	75
" " " " " **Blush**	75
" " " " " **Crimson**	75
" " " " " **Best Mixed**	75
" **Auricula.** Fine. Half hardy. Perennial	25
" **Cashmeriana (capitata).** Quite hardy	25
" **Obconica.** Excellent for pots and bouquets	25
" **Elatior (veris).** First Quality Large-flowered Fancy	10
" " **Duplex** (Hose in Hose.) Very beautiful	10
" " **Gold-laced.** Charming varieties	10
" **Verticillata.** New. Golden-flowered Greenhouse Plant	50
" **Vulgaris.** The true Yellow English Primrose	10
One Packet of each of the above for	6 50

MYOSOTIS (FORGET-ME-NOT).

This beautiful little plant is too well known to need any description. It does best in a cool, moist place, and can be used for spring bedding or winter flowering. The flowers when cut and placed in water will grow just as well as if on the plant.

	Per pkt.
Alpestris (Forget-Me-Not). Blue	$0 10
" **Alba.** Pure white	10
" **Robusta Grandiflora** (Elisa Fonrobert). Large flowering	15
" " " **Alba.** White	15
" **Victoria.** Dwarf. Sky-blue flowers, the best for pot culture	15
" " **Alba.** Pure white. New	15
Rupicula, Porcelain. Quite dwarf. Excellent for pots,	20
One packet of each of the above 7 varieties for	75

MIGNONETTE (RESEDA ODORATA).

The mignonette is universally esteemed for its delicate perfume and singularly pretty spikes of bloom. It is without doubt one of the most popular annuals grown.

Sow in open ground early in spring, and thin out well, only leaving the strongest. By doing this the growth of flower and foliage will be greatly facilitated. This plant does not bear transplanting.

	Per pkt.
Odorata, good variety	$0 05
Grandiflora, large-flowered, fine	5
" **Aurea (Golden Queen)**. Effective	5
" **Crimson Queen**, Red-flowered	5
" **Gabrille**, robust, red-flowered, fine	10
" **Gigantea pyramidalis (Giant Pyramidal)**	5
" **Machet**, excellent for pots, very fine	10
" **Multiflora compacta**, very good	5
" **Pumila erecta**, dwarf. Excellent for pots,	10
" **Spiralis (Miles's Spiral.)** Beautiful	5
Mixed, all varieties	5
One packet of each of the above 10 varieties for	50

CYCLAMEN

These are among the most beautiful winter and spring flowering plants for the greenhouse.

Not only are the flowers very beautiful, but the leaves are very ornamental. The flowers run in shades from pure white to dark red

	Per pkt.
Persicum giganteum, finest mixed	$0 50
" " **album.** Pure white	50
" " **atrorubrum.** Dark red	50
" " **roseum superbum.** Extra fine	50
" " **sanguineum.** Darkest red	50
" " Choice mixture	50
One packet of each of the above 5 varieties for	2 00

Do not be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*

W. A. MANDA

AT THE

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.

GENERAL COLLECTION OF FLOWER SEEDS.

The following list comprises a complete list of seed that are worth cultivating for the various purposes, and includes Annuals, Hardy Perennials, Tender Greenhouse Plants, Vines, Everlastings, Grasses, Foliage or Flowering Plants. References are made to the foregoing pages where such leading kinds as Aster, etc., are described at length.

Per pkt.

Acacia armata. Yellow flowering, greenhouse plant, $0 10
" **dealbata.** Beautiful green foliage..... 5
" **lophanta.** Good for tropical beds..... 5
Aconitum Napellus (Monk's Hood). Blue flowers..... 10
" **Lycoctonum.** Yellowish white, handsome.. 5
" **pyramidatum.** Blue, very fine..... 5
" **uncinatum.** Blue, extra fine color..... 5
Acroclinium roseum. Beautiful, everlasting..... 5
" " **fl. albo.** White flowering..... 5
" " **fl. pleno.** Double flowered.... 5
" " " " **album.** Double white flowers..... 5
Adlumia cirrhosa. Beautiful climber, fernlike foliage 5
Ageratum Mexicanum, Imperial Dwarf. Blue..... 5
" " " " Pure white... 5
" " **Little Dorrit.** Azure blue; for bedding..... 5
" " " " White, new, beautiful..... 5
Agrostemma coronaria (Rose Campion). Red flowers 5
" " **alba.** White variety of the above..... 5
" " **atrosanguinea.** Very dark red,. 5
" **flos Jovis.** Rose flowering, very fine... 5
Alonsoa linifolia (Roezl). Beautiful scarlet flowers.. 5
" **Myrtifolia (acutifolia).** Bright scarlet, fine.... 5
" **Warscewiczi.** Brilliant scarlet, very fine.... 5
Alyssum Argenteum. Evergreen perennial, yellow flowers..... 5
" **Benthami maritimum** (Sweet Alyssum). Beautiful white..... 5
" " **compactum (erectum).** Splendid annual..... 5
" **Saxatile** Yellow flowered, perennial..... 5
" " **compactum.** Good for edgings purposes..... 5
Amarantus. See page 36..... 5
Anagallis grandiflora. Choice, mixed. Good annual 5
Anchusa angustifolia. Azure blue, very pretty, perennial..... 5
" **Barrelieri.** Earliest dwarf, dark blue, fine variety..... 10
Antirrhinum (Snapdragon) **major.** Tall varieties, choice, mixed..... 5
" (Tom Thumb). Dwarf varieties, choice mixed..... 5
Aquilegia. See page 34
Arabis Alpina. White, flowering dwarf, perennial 10
Aralia Sieboldi. Splendid room plant..... 10
Argemone Mexicana. Light yellow flowered, annual, 5
Armeria cephalotes. Rose, a beautiful variety..... 5
" **maritima splendens** (Laucheana) fine dark.... 5
Arundo Donax foliis variegatis. Very effective grass.. 10
Asperula Odorata (Woodroof). White flowered, sweet scented..... 5
Asters. See pages 26.

Per pkt.

Aubrietia Leichtlini. Large, rosy carmine flowers, fine, $0 10
Auricula. See **Primula Auricula**, page 41.
Balsams. See page 31.
Baptisia Australis. Light blue, very handsome, perennial..... 5
Begonia Rex. Ornamental leaved, splendid greenhouse plant..... 25
Bellis perennis fl. pl. Choice mixed..... 15
" " **alba fl. pl.** Double white, beautiful flowers..... 15
Browallia elata. Blue, handsome, annual..... 5
" " **alba.** Pure white, very fine..... 10
Cacalia coccinea (Emilia flammea). Double, red flowers, 5
" " **lutea (aurantiaca).** Fine variety of the former..... 5
Calandrinia umbellata. Crimson, violet, very fine, rich plant..... 5
Calceolaria. See page 40.
Calendula (Marigold). See page 37.
Calliopsis (Coreopsis). See page 37.
Campanula, Canterbury Bell. See page 38.
Canna. Choice hybrid varieties only..... 25
" Madame Crozy..... 10
Candytuft. See page 36.
Capsicum annuum, Little Gem. A very good market plant..... 5
" " Prince of Wales. Lemon fruit, handsome..... 5
" " Tom Thumb. Scarlet fruit, excellent plant..... 5
Castilleja indivisa. A very effective novelty..... 15
Catananche cœrulea. Sky-blue flowers, Perennial, everlasting..... 5
" " **fl. albo** (bicolor), white variety. 5
Celosia cristata (Cockscomb) **nana.** Finest mixed... 10
" " **nana Empress** (Giant Maxima). Bright Purple..... 10
" " " **Glasgow Prize** (President Thiers, Tom Thumb)..... 15
" **Huttoni.** Dark leaves, very ornamental..... 10
" **pyramidalis** (plumosa). Crimson improved... 5
" " **plumosa,** Triomphe de l'Exposition (Thompsoni)..... 10
Centaurea argentea vera (Candidissima ragusina)..... 10
" **Babylonica.** Dark yellow, very fine..... 5
" **Cyanus** (Corn Flower)..... 5
" " **fl. pleno.** Semi-double variety..... 5
" " (Victoria). Miniature flowers, dwarf, new..... 10
" **Moschata.** Extra choice mixed..... 5
" **suaveolens** (Sweet Sultan). Yellow flowers, fine..... 5
Chelone barbata Torreyi. Dark red, very fine Perennial, 5
Chrysanthemum carinatum (Tricolor) **album,** white..... 5
" " **atrococcineum** (The Sultan), 5
" " **Burridgeanum** (Lord Beaconsfield)..... 5
" " (Eclipse). Brown and yellow flowers..... 5
" " (Golden Feather). With yellow leaves..... 5
" **coronarium fl. pleno.** Double yellow flowers..... 5
" " **album fl. pleno.** Double white flowers..... 5
" **indicum.** Choicest varieties only.... 25
Cineraria maritima (Candidissima). White-leaved... 5
" **hybrida.** See page 40.
Clarkia elegans. Fine mixed, double and single..... 5

Per pkt.

Clarkia pulchella. Fine mixed, very fine.....$0 05
Cobæa scandens. A very fine climber..... 10
" " **fl. albo.** White flowers, very fine.. 10
Coleus hybrids. Finest mixture..... 25
Collinsia. Fine mixed, good Annual..... 5
Collomia coccinea. Very pretty..... 5
Commelina cœlestis (tuberosa). Blue, very good for pots..... 5
" " **alba.** White flowers..... 5
Convolvulus tricolor (Minor), (Morning Glory)..... 5
" " **albus.** Pure white, fine..... 5
" " **albus fl. pl.** Double white, fine... 5
" " **azureus fl. pleno.** Double blue.... 5
" " **kermesinus violaceus.** Crimson-violet..... 5
" " **striped** (variegatus). New variety, fine..... 5
Cosmidium Burridgeanum. Brown, very handsome... 5
Crucianella stylosa purpurea. Trailing Perennial..... 5
Cyclamen. See page 42.
Dahlia. Double large-flowered, best quality, mixed, 15
" Single varieties, splendid, mixed..... 10
" " Tom Thumb, new dwarf, splendid colors..... 15
Datura Cornucopia. Very showy plant..... 10
Dianthus. See page 35.
Digitalis. See Foxglove, page 37.
Dolichos Lablab (Hyacinth Bean). Purple flowers.. 5
Dracocephalum Ruyschianum Japonicum. Compact.... 10
Elichrysum (everlasting flower) **monstrosum fl. pl.**, mixed..... 5
" **nanum fl. pl.** Dwarf, extra fine mixed, 5
" **minimum fl. pl.** Fine mixture, smallest flowers..... 5
Elymus Caput Medusæ. Fine grass for groups..... 5
" **giganteus** " " " " 5
" **Hystrix.** Very good for groups..... 5
" **tener.** Pretty..... 5
Erianthus Ravennæ. Very ornamental grass..... 5
Erysimum pulchellum. Yellow, perennial dwarf..... 5
Erythrina Christa-galli (Coral Tree)..... 15
Eschscholtzia Californica. Yellow flowered..... 5
" " **alba.** Pure white..... 5
" " **carminea (grandifl. rosea).** Rose Cardinal..... 5
" **crocea.** Orange yellow flowers, fine, 5
" " **fl. pleno.** Double orange, very fine..... 5
" **Mandarin.** New, deep orange, splendid, 5
Festuca glauca. Ornamental grass for borders..... 10
" **viridis.** " " " " edgings.... 5
Fuchsia hybrida. Single, choice, mixed..... 25
" " Double, " " 25
" **fulgens.** Beautiful var., with long, red flowers..... 15
Gaillardia grandifl. Very handsome, perennial..... 5
" " **maxima.** Golden yellow, extra fine..... 10
" **picta.** Red and yellow, beautiful, annual, 5
" " **Lorenziana.** Double, fine annual for cutting..... 5
Galega officinalis (Goat's Rue). Blue flowered, perennial..... 5
" " **alba.** White, very ornamental.... 5
Gaura Lindheimeri. White, flowers all summer..... 5
Geum coccineum atrosanguineum fl. pleno. Double scarlet..... 10
Gilia. Tall sorts, choice mixed, beautiful, annual, 5
" Dwarf " " " " " 5

Per pkt.

Gladiolus. American hybrids, splendid varieties..$0 10
" **Lemoinei.** Extra fine varieties, choice mixed..... 10
Gloxinia grandifl. crassifolia. Choice mixed..... 25
Gnaphalium Leontopodium (Edelweiss). Very interesting plant..... 10
Gedetia. See page 38.
Golden Feather (Pyrethrum parthenifolium aureum)..... 5
Gossypium herbaceum (Cotton)..... 5
Grevillea robusta. A very good market plant..... 10
Gypsophila acutifolia. Perennial rose flowers..... 5
" **paniculata.** White, excellent for bouquets, 5
" " **compacta.** Semi-dwarf, very fine..... 5
" **repens.** White, good for rockwork, dwarf..... 5
Hedysarum coronarium (French Honeysuckle). Red.. 5
" " **album.** White-flowered, fine.. 5
Helianthus annuus (Russian Giant). Single flowers.. 5
" " (Henry Wilde). Very tall, single, 5
" " (Primrose-colored), sulphur yellow, new..... 5
" **argyrophyllus.** A very ornamental plant.. 5
" **californicus fl. pleno.** Double flowers, fine, 5
" **globosus fistulosus fl. pl.** Very large-flowered variety..... 5
" **nanus fol. variegatis.** Green and yellow leaves, ornamental..... 5
" **mollis grandiflorus.** Perennial very fine, new..... 10
Heliotropium. Extra choice mixed..... 10
Hesperis matronalis. Purple, very beautiful strain... 5
" " **alba** (Sweet Rocket). White flowered..... 5
" " **nana candidissima.** Pure white.. 10
Heuchera sanguinea. Crimson, excellent for pots and cutting..... 15
Hieracium villosum. Yellow, very fine, new Perennial, 5
Humulus japonicus fol. varieg. Beautiful climber, novelty..... 10
Iberis. See Candytuft, page 36.
Ice Plant (Mesembryanthemum crystallinum)..... 5
Impatiens Sultani hybrida. Choice mixed, Greenhouse plant..... 15
Ipomœa. See page 39.
Ipomopsis elegans (picta). Red flowered, fine..... 5
Iris Kaempferi. Extra choice mixed varieties..... 10
Lantana hybrida. Finest mixed..... 5
Lathyrus latifolius (Everlasting Pea). Red flowered, 5
" " **albus.** White, beautiful variety.. 10
" **odoratus.** See Sweet Peas, page 28.
Lasiagrostis argentea. Silvery panicles, very ornamental grass..... 5
Leptosyne maritima. Yellow flowers, very fine..... 5
Linaria bipartita. Fine mixed..... 5
" **Cymbalaria** (Kenilworth Ivy). Beautiful variety..... 10
" **reticulata aureo-purpurea.** Golden yellow and purple flowers..... 5
Linum campanulatum grandifl. Yellow Perennial..... 10
" **flavum.** Yellow flowers, fine hardy plant..... 5
" **grandiflorum rubrum** (Verum). Scarlet, large-flowered..... 5
" **Lewisi.** Blue flowers, very handsome, hardy, 5
" **perenne** (Perennial Flax). Blue, very fine... 5
" " **album.** Pure white..... 5
Loasa hispida. Golden yellow, beautiful variety.... 10
" **tricolor.** Orange, red and green..... 5
" **Wallisi** (Vulcanica). White and red..... 5

Per pkt.

Lobelia cardinalis (Scarlet). Queen Victoria, splendid, Perennial.....$0 20
" " **hybrida.** Perennial hybrids, choice mixed..... 20
" **Erinus.** Crystal Palace (**speciosa**). Dark blue 10
" " **erecta.** " " **compacta.** For carpet beds..... 10
Lunaria biennis (**annua**). (Honesty.) Good garden plant..... 5
" " **alba.** Pure white, very fine..... 5
" " **variegata.** Green and white leaves, 5
Lupinus polyphyllus. Perennial, finest mixed..... 5
" " **albus.** Pure white flowers..... 5
" " **atrocœruleus.** Sky blue..... 5
" " **atropurpureus.** Very fine..... 5
" Annual. Sorts mixed..... 5
Lychnis chalcedonica. Scarlet, fine, perennial..... 5
" " **alba.** Pure white variety.... 10
" **Haageana atrosanguinea.** Fine..... 10
" " **hybrida.** Choice mixed varieties.. 10
" **Lagascæ** (**Petrocoptis**). Rose, good for pots, 10
" **Viscaria splendens** (**coccinea**). Early perennial, 5
Lythrum roseum superbum. Very fine, perennial..... 5
Malope grandiflora alba. Large flowered, white.... 5
" " **purpurea.** Handsome..... 5
Malva crispa. Curled, tall, very fine..... 5
" **moschata.** Rose, sweet scented, fine variety, 5
" " **alba.** Pure white flowers, fine... 10
Martynia formosa annua, (Craniolaria fragrans)..... 5
" **lutea.** Yellow flowers..... 5
" **proboscidea.** Reddish white flowers, fine, 5
Matricaria capensis fl. pleno (Feverfew). White, double..... 5
" **eximia** " " double, pure white, 5
" " **grandifl. fl. pl.** (Tom Thumb), very dwarf..... 5
Maurandia albiflora. Pure white, beautiful climber.. 10
" **Barclayana.** Blue flowered, handsome... 10
" **Semperflorens.** Reddish blue, very fine.. 10
Melica altissima atropurpurea. Very fine grass..... 5
" **ciliata.** For bouquets, very fine..... 5
Mesembryanthemum crystallinum. See Ice Plant.
" **tricolor.** Bright annual..... 5
Michauxia campanulata. White bell-shaped flowers.. 5
Mimosa pudica (sensitive and very interesting plant), 5
Mimulus cardinalis grandifl. (Perfection). Red, very dark..... 10
" **moschatus** (Musk Plant). Sweet scented.. 10
" " **compactus.** Very fine for pots.. 10
" **tigrinus grandiflorus.** Most beautiful varieties, 10
Mirabilis longiflora. White, sweet scented..... 5
" " **violacea.** Purple, sweet scented, 5
" **multiflora.** Lilac, large flowered, perennial, 5
Monarda hybrida. Very fine, mixed..... 5
Montbretia crocosmiæflora. Choice varieties, mixed, 10
Musa Ensete. The Dwarf banana plant..... 10
Myosotis (Forget-me-not). See page 41.
Nemesia compacta alba. White flowered..... 5
" " **bicolor.** Blue and white..... 5
" **floribunda.** White..... 5
" **versicolor.** Blue, lilac and white..... 5
Nemophila discoidalis. Black brown, white margined flowers..... 5
" **insignis.** Sky blue, very fine..... 5
" **maculata.** White, brown spotted, beautiful variety..... 5
Nicotiana colossea. Quick growing and very effective plant..... 15

Per pkt.

Nicotiana affinis. White, sweet scented, very ornamental $0 05
Nigella damascena fl. pl. Double, blue (Devil-in-a-bush) 5
" " **alba fl. pl.** Double, white variety, 5
" **hispanica** (Love in a Mist). Blue flowered... 5
" " **alba.** White, very fine 5
Nolana grandiflora. Blue, fine variety 5
Œnothera acaulis (taraxacifolia alba). Large-flowered, white 10
" **biennis** (Evening Primrose). Tall, yellow, biennial 5
" **bistorta Veitchiana.** Yellow flowers, dwarf, 5
" **Drummondi.** Light yellow, very handsome, 5
" **Fraseri.** Large flowered, yellow, perennial, 5
" **Macrantha.** Golden yellow, very large flowers, perennial 5
" **missouriensis (macrocarpa).** Dwarf, perennial 5
" **taraxacifolia aurea.** Golden yellow and very large flowers 10
Orobus niger. Dark violet flowers, pretty, perennial, 5
Oxalis sensitiva. A very interesting plant 10
Pansy. See page 27.
Papaver. See Poppies, page 32.
Pardanthus chinensis. Blackberry Lily, hardy 5
Pelargonium odoratissimum (apple scented). For bouquets 15
" Scarlet, double (**Zonale fl. pl.**). Choice mixed 15
Pentstemon. See page 39.
Perilla nankinensis foliis atropurpureis laciniatis. Dark leaved 5
" " " **variegatis.** New 10
Petunia. See page 31.
Phlox Drummondi. See page 34.
Platycodon Mariesi (Wahlenbergia). Dark blue, perennial 10
Polemonium cœruleum (Jacob's Ladder). Blue hardy, 5
" " **fl. albo.** White flowered 5
" " **grandiflorum.** Splendid variety, 5
" **flavum.** Yellow flowers, very pretty, 5
" **Richardsoni.** New early blue-flowered, dwarf 10
Portulaca grandiflora. All sorts choice mixed 5
" " **fl. pleno.** Double sorts, finest mixture 15
" " " Double sorts, very fine mixture 10
Potentilla. Double choice mixed. Fine perennials. 10
Primula. See page 41
Pyrethrum atrosanguineum. Very fine perennial 5
" **roseum hybridum.** Single choice mixed 10
" " " **fl. pl.** Double mixed .. 20
" **parthenifolium aureum.** (Golden Feather). For bedding 5
" " " (Golden Gem). Double 5
" " " **selaginoides.** Fern-leaved 10
Reseda odorata. See Mignonette, page 41
Rhodanthe maculata. Beautiful, everlasting 5
" **manglesi** rose, extra fine strain 5
" Single sorts, choice mixed 5
Ricinus africanus (Castor Oil Plant). Fine for tropical beds 5
Ricinus borboniensis arboreus. Very high growing .. 5
" **Cambodgensis.** Very dark-leaved, extra fine, 5
" **Gibsoni** (Duchess of Edinburgh). Fine variety, 5

Per pkt.

Ricinus Sanguineus (Obermanni).....$0 05
" Mixed, all sorts..... 5
Salpiglossis variabilis grandifl. Showy annual..... 5
" " **nana**, dwarf. Fine mixed..... 5
Salvia argentea. Silver-white, very fine..... 5
" **coccinea nana compacta.** Dwarf plant..... 5
" " **lactea.** White-flowered form..... 5
" **nutans.** Dark blue, beautiful color..... 5
" **patens.** Sky-blue, very handsome flowers... 10
" **splendens.** Scarlet, splendid variety for bedding..... 10
Sanvitalia procumbens. Golden, single flowers..... 5
" " **fl. pleno.** Double, very fine.. 5
Saponaria multiflora (calabrica). Red-flowered..... 5
" **ocymoides splendens.** Very handsome, perennial..... 5
Scabiosa caucasica. Lilac, splendid perennial, rare, 10
Schizanthus Grahami. Red-flowered, pretty annual.. 5
" **grandiflorus oculatus.** Purple, spotted with black..... 5
" **papilionaceus.** A very beautiful species, 5
" **pinnatus.** Blue flowers, very fine plant.. 5
" **retusus.** Red, splendid color..... 5
" Choice mixed, best varieties only..... 5
Schizopetalum Walkeri. White and sweet-scented.... 5
Scutellaria Macrantha. Dark blue, very fine, perennial..... 10
Sensitive Plant (Mimosa pudica). Very interesting plant..... 5
Silene armeria. Choice mixed..... 5
" **orientalis compacta.** Red-flowered, perennial, 5
" **saxatilis.** Pure white, very pretty..... 10
Solanum Hendersoni. Orange-scarlet berries, highly effective..... 5
" **Lobeli.** Red fruit, very pretty..... 5
" **robustum.** Very beautiful variety..... 10
" **Warscewiczoides.** Handsome for foliage groups..... 10
Stachys lanata. Silver-leaved, fine perennial..... 5
Statice altaica. Blue, very fine..... 5
" **Besseriana.** Blue-flowered, handsome..... 5
" **incana nana.** Fine mixed..... 5
" **latifolia.** Blue, fine for bouquets..... 5
" **penduliflora.** Blue, beautiful..... 5
" **speciosa.** Reddish flowers, fine..... 5
" **Suworowi.** Bright rose, free blooming annual, 5
" **tatarica.** White, the best for drying..... 5
Stipa pennata (Feather Grass). Very ornamental for bouquets..... 5
Stenactis speciosa. Blue-flowered, fine for cutting, hardy..... 5
Streptocarpus, Veitch's new hybrids, a very pretty flowering plant..... 20
" **Wendlandi.** Large-leaved, new fine variety..... 10
Sunflower. See Helianthus.
Swainsonia coronillæfolia. Fine greenhouse-flowering plant..... 25
" **Ferrandi atropurpurea.** Deep crimson.... 25
" **Greyana.** Violet rose..... 25
" " **alba**, white..... 25
" **Osborni.** Purple..... 25
" **Rollissoni.** Deep red..... 25
" **rosea.** Rose-colored..... 25
Sweet Peas. See page 28.
" **William.** See Dianthus barbatus, page 35.
Tagetes. See Marigold, page 33.
Thea viridis (Tea-Plant). Very interesting..... 10
Thunbergia alata. Buff-colored, ornamental climber, 5

	Per pkt.
Thunbergia Alata alba. Pure white, ornamental climber	$0 05
" " **aurantiaca.** Orange, ornamental climber	5
" " **Bakeri** (unicolor). White, ornamental climber	5
" " **intus alba.** Pale yellow, ornamental climber	5
Torenia Fournieri (Edentula). Velvet, blue, fine for pots	25
" " **grandiflora.** New, very fine variety,	25
" " **alba** (White Wings). White	25
" **Bailloni.** Golden yellow, deep brownish, red throat	25
Trachymene cœrulea (**Hugelia Didiscus**). Beautiful annual	5
" " **fl. alba.** White flowered, very fine	5
Tropæolum. See Nasturtium, page 29.	
Verbscaum olympicum. Very decorative plant	5
" **pannosum.** Yellow novelty, about 5 feet high	10
" **phœniceum hybrids.** Choice mixed	5
Verbena. See page 33.	
Vinca rosea. Very fine market plant	5
" " **alba.** White, with rose centre	5
Viola lutea. A good old variety, very fine	5
" " **grandiflora** (**splendens**). Large flowered, fine	5
" **odorata semperflorens** (Sweet Violet). Pretty blue	10
" **tricolor maxima.** See Pansies, page 27.	
Viscaria cardinalis. Crimson, hardy, annual	5
" **elegans picta.** Rose and scarlet	5
" **oculata.** Rose, with dark eye, very pretty,	5
" Best varieties, choice mixed	5
Wahlenbergia (Platycodon) **grandiflora.** Very fine, perennial	5
" **grandiflora duplex.** Double flowered	10
" " **alba.** Large white flowers	5
" " " **duplex.** Double, pretty.	10
Whitlavia gloxinioides. White and blue	5
Wigandia caracasana. Very ornamental foliage plant,	5
" **floribunda, imperalis Vigieri.** Ornamental plant	10
Xeranthemum. See page 40.	
Zinnia. See page 30.	

COLLECTION OF FLOWERS IN ORIGINAL PACKAGES.

Under this heading you will find all the leading varieties of flower seed put up in collections. They contain the very finest strain of seed, grown and put up for me by the several specialists of Europe, each packet sealed and distinctly marked.

I would especially recommend my patrons who wish to have variety to procure these, as they will then have, at a reasonable price, all the different colors which they would not have in the mixed seed.

ASTERS.

	Collection of.	Price
Asters, Dwarf Chrysanthemum	12	$0 65
" " "	6	30
" **Dwarf Victoria**	12	1 00
" " "	6	45
" **Dwarf Pæony Perfection**	12	75
" " " "	6	30

	Collection of.	Price.
Asters, Comet	6	$0 65
" **Quilled German**	12	45
" " "	6	30
" **Lilliput Flowered**	6	30
" **Schiller**	6	30
" **Large Rose Flowered**	12	65
" " " "	6	30
" **Victoria**	24	1 75
" "	12	75
" "	6	45
" " **Needle (Hedgehog)**	6	45
" **Washington**	6	45
" **Imbricated Pompon**	12	75
" " "	6	45
" **Truffaut's Pæony Flowered Perfection**	24	1 25
" " " " "	12	65
" " " " "	6	30
" **Betteridge's Quilled**	12	45
" " "	6	30
" **Tall Chrysanthemum**	12	75
" " "	6	30
Hollyhocks, Carter's Superb	12	1 25
" " "	6	65
Ipomœa Purpurea	12	45
" "	6	30
Larkspur, Stock flowered, tall branching	6	30
" **Ranunculi flowered**	6	30
" **Dwarf, Candelabrum formed**	6	45
" **Emperor**, splendid	6	30
Marigolds, Double African	6	30
" " **French**	12	45
" " "	6	30
Marvel of Peru, striped, leaved	6	30
Pansies, or Heartsease	24	1 50
" " "	12	75
" " "	6	45
Petunia hybrida grandiflora, large flg., single.	12	1 25
" " " " " "	6	65
" " " " " double fringed	12	1 25
" " " large flg., double fringed	6	75
Phlox Drummondi	12	65
" "	6	30
" " **nana compacta**	12	75
" " " "	6	45
" " **grandiflora**	12	75
" " "	6	45
Poppies, Double Carnation	12	45
" " **Pæony flowered**	12	45
" " **Dwarf Pæony flowered**	6	30
Portulaca grandiflora	6	30
Salpiglossis variabilis. Tall	6	30
" " Dwarf	6	30
Scabiosa. Large-flowered	6	30
" Dwarf double	12	45
" " "	6	30
Senecio elegans nanus fl. pleno. Dwarf double.	6	65
Sweet Peas	24	75
" "	12	45
" " Eckford's Hybrids only	12	65
" " " " "	6	30
Zinnia elegans, single	6	30
" **elegans fl. pl., tall, double**	12	75
" " " " " "	6	30
" **Dwarf, double**	6	30
Amarantus	12	45
Calliopsis	12	45
Centaurea Cyanus (Cornbottle)	6	30

	Collection of.	Price.
Chrysanthemum carinatum	12	$0 45
" "	6	30
Dianthus chinensis and Heddewigi	12	65
" " "	6	30
Reseda (Mignonette)	12	65
" "	6	30
Tropæolum Lobbi	12	65
" "	6	30
" majus (Tall Nasturtium)	12	45
" Tom Thumb. (Dwarf Nasturtium)	12	45
Stocks, Tree or Giant Ten-week	6	45
" Giant Perfection Ten-week	12	75
" " " "	6	45
" Large flowering, Wallflower-leaved	6	45
" Winter or Biennial Brompton	12	75
" " " " "	6	45
" Wallflower, double	12	1 00
" " "	6	65
" " single	6	30
Balsams, Dwarf double	12	45
" " "	6	30
" Double Rose-flowered	12	65
" " "	6	30
" Double Spotted	12	65
" " "	6	30
" Improved Camellia-flowered	6	65
" Perpetual Carnations	12	75
" " "	6	45
Antirrhinum (Snapdragon). Tall	12	65
" " "	6	30
" Tom Thumb	12	65
" " "	6	30
Cockscombs, Dwarf (Celosia cristata nana)	12	65
" " " " "	6	30
Hollyhocks, finest German	12	75
" " "	6	45
Tropæolum Tom Thumb	6	30
Verbena hybrida	6	65
Aquilegia	12	65
"	6	30
Dianthus barbatus (Sweet William)	6	30
Digitalis (Foxglove)	12	45
Cyclamen	12	2 00
" persicum and grandiflorum	6	1 00
Heliotropium	12	75
Primula. chin fimbriata	12	1 75
" " "	6	75
Everlasting Flowers (Immortelles)	12	65
" " "	6	30
Ornamental Grasses	12	45
" "	6	30
Ornamental Gourds	10	45
" "	6	30

To those not fully acquainted with my retirement from the incorporated stock company of Pitcher & Manda, I wish to state that I am not connected with that firm, although they still keep my name. All orders and correspondence intrusted to me please address to

Yours respectfully,

W. A. MANDA,

South Orange, New Jersey.

ROSES.

Under this heading will be found all the different classes of roses.

I have taken great care and listed the very best varieties only. I can furnish any variety not on the list, and would be pleased to quote prices on same.

GREENHOUSE ROSES.

Among all the beautiful flowers the rose may well be called the "Queen." The fine fragrance and diversity of color make it indispensable to flower lovers. Below find listed those most suitable for culture under glass.

OUT OF TWO OR THREE INCH POTS.

	Doz.	100.
American Beauty. The largest pink rose..	$2 00	$14 00
Bon Silene. Rosy carmine, shaded with.. salmon	1 50	12 00.
Bride. A white sport from C. Mermet....	1 50	12 00
Bridesmaid. Clearer pink than the Mermet	1 50	12 00
Catherine Mermet. Bright flesh color, large.....	1 50	12 00
Gloire de Dijon. Very large, globular form	1 50	12 00
Kaiserin Augusta Victoria. Fine white, new.	1 50	12 00
La France. Beautiful shell pink.....	1 50	12 00
Madame Cusin. Violet rose, tinged yellow	1 50	12 00
" **de Watteville.** Salmon, white and rose.....	1 50	12 00
" **Hoste.** White, shaded yellow...	1 50	12 00
" **Caroline Testout.** A beautiful, clear rose.....	1 50	12 00
Mrs. Whitney. Dark pink, fragrant, new..	3 50	25 00
Meteor. Rich, dark, velvety crimson.....	1 50	12 00
Niphetos. Pure white, long buds.....	1 50	12 00
Perle des Jardins. The finest yellow.....	1 50	12 00
Safrano. Safron and apricot.....	1 50	12 00
Souvenir d'un Ami. Very floriferous, pink.	1 50	12 00

Larger plants, $16 to $20 per 100.

HYBRID PERPETUAL ROSES.

These differ from the greenhouse roses in that they are able to stand the severe climate of our winters. Most of the varieties are very fragrant. Although they are styled perpetual bloomers none of them are such in reality. This class thrives best in a rich soil.

STRONG TWO-YEAR-OLD PLANTS.

	Each.	Doz.
Alfred Colomb. Brilliant carmine crimson..	$0 50	$5 00
Anne de Diesbach. A beautiful shade of carmine	50	5 00
Baroness Rothschild. Light pink, very symmetrical	50	5 00
Dinsmore. Crimson, very double.....	50	5 00
General Jacqueminot. Brilliant crimson, very fragrant.....	50	5 00
John Hopper. Bright rose, carmine centre,	50	5 00
Mabel Morrison. White, sometimes tinged with blush.....	50	5 00
Madame Gabriel Luizet. Pink, distinct, very large.....	50	5 00
" **Victor Verdier.** Carmine crimson, large.....	50	5 00
Merveille de Lyon. Pure white, shaded rose,	50	5 00
Mrs. John Laing. Soft pink, large and fine,	50	5 00
Paul Neyron. Deep rose, fine foliage.....	50	5 00

	Each.	Doz.
Prince Camille de Rohan. Deep, velvety crimson	$0 50	$5 00
Ulrich Brunner. Brilliant cherry red, effective	50	5 00
Victor Verdier. Bright rose, carmine centre,	50	5 00

Many other varieties in stock.

100 plants, my selection, best varieties, for $28 00

MISCELLANEOUS ROSES.

Under this heading is combined all the leading roses not included in the former classes, such as Polyantha, Moss, running varieties, etc.

STRONG TWO-YEAR-OLD PLANTS.

	Each.
Baltimore Belle. Nearly white, fine running sort	$0 35
Captain Christy. Deep flesh color, large and double,	50
Crested Moss. Deep pink colored buds	50
Clothilde Soupert. Pure white, with rosy centre	35
Marechal Niel. Deep yellow, climbing rose	50
Madame Plantier. Pure white floriferous	35
Magna Charta. Pink suffused with carmine	50
Persian Yellow. Golden yellow, medium size	50
Queen of the Prairies. Bright red, with stripe	35
Rugosa alba. A beautiful pure white, single	50
" **rosea.** Shell pink variety	35
" **rubra.** Glossy crimson, very beautful	50
Wichuriana. Trailing variety for landscape work	35
Souvenir de la Malmaison. Delicate flesh tinted	35

CHRYSANTHEMUMS.

The interest in the Chrysanthemum increases yearly, and it is, next to the rose, one of our best flowers. Its diversity in size, form and coloring, added to the freedom of bloom at a season when all other flowers have faded, make it a plant worthy of our attention. It may well be called the Queen of Autumn. My list contains the very best varieties for all purposes.

	Each.
Ada Spaulding. Beautiful rose and white	$0 15
Achilles. Pink, changing to pearl white	25
American Eagle. Flowers large, anemone flowered.	25
Belle of Orange. Canary yellow	10
Bride of Roses. Rose carmine, handsome	15
C. B. Whitnall. Velvety maroon, a beautiful variety.	15
C. J. Osborn. Bright yellow, striped with red	25
Challenge. Rich chrome yellow, one of the best	25
Christa Bell. A very beautiful variety	15
Col. Wm. B. Smith. Golden bronze, a fine form	10
Cullingfordii. Rich crimson, reflexed, late	10
Daisy. Single white, very beautiful	10
Dr. H. A. Mandeville. Rich chrome yellow	10
Dr. Julius Cullendrear. Pale primrose yellow	25
Dorothy Toler. Rose color tipped with red	15
Edward Hatch. Lemon yellow with pinkish tinge	25
Edwin Molyneaux. Chestnut red, a standard variety.	15
Emily Ladenburg. Deepest crimson, vigorous	15
Etoile de Lyon. Pinkish lilac, a fine sort	25
Eiderdown. Snow white, heavy florets	25
Eugene Dailledouze. Immense rich yellow flowers	15
Golden Wedding. Large bright yellow	10
George W. Childs. Beautiful deep crimson	10
Golden Gate. Fine canary yellow	10
Grandiflorum. A good yellow sort	25
Georgienna Bramhall. A beautiful soft, yellow, very early	25

	Each.
Garza. A fine anemone variety	$0 10
Harry May. Deep old gold, very fine	15
Harry Sunderbruch. Bright yellow, very large and early	20
Harry Balsley. Delicate shrimp pink	15
Harry E. Widener. Fine bright yellow	10
Imperial Castle. Fine pure white	15
Ivory. One of the finest white dwarf habit	10
John H. Taylor. White, a fine variety	10
Judge Hoitt. Pale pink, very fine	10
Jessica. Large white, a good sort	10
Jessie Godfrey. White, tinged with pink	25
Jean d'Arc. Blush white, laced violet	20
John M. Kupfer. Very rich bronze	25
Kioto. Fine yellow, incurved	10
Lillian Russell. Beautiful silvery pink	10
Louis Menand. Deep brown, tipped with yellow	25
Boemer. Fine pink, hairy type	10
L. Canning. Fine white	10
M. B. Spaulding. Lemon yellow	10
Mabel Simpkins. Snow white, very fine	15
Mamie Sievers. Pale yellow	15
Master of the Garden. Pale pink, late	15
Maud Dean. Pink, extra fine quality	15
M. Gastellier. Very early, pure white	15
M. Louis Lionnet. Brilliant silvery white, very early	15
Mme. B. Jung. Deep crimson, very fine, early	15
M. G. Cassagneau. Very large lilac rose, shaded with white	15
M. Lemaille. Wine color, with golden centre	15
M. E. Vaucher. Very early, beautiful rosy wine color	15
M. Z. Lionnet. Violet, rose and purple, very early	15
Mqse. de Montmort. Glossy rose and silvery white	15
Malmaison. Large incurved, broad petals, pink	25
Major Bonnafon. Soft, clear yellow, fine	25
Mermaid. Beautiful shade of pink	10
Mayflower. Good incurved white	25
Miss Annie Manda. Pure white, hairy, fine	25
Miss Bessie Cummings. Very fine white	15
Miss F. Thorley. Beautiful, pure white	10
Mr. A. G. Ramsay. Indian red, fine habit	10
Mr. Hicks Arnold. One of the finest old gold	10
Mrs. A. J. Drexel. Crimson lake, good	10
Mrs. Alpheus Hardy. White, the first hairy variety	15
Mrs. Bayard Cutting. Centre deep rose	15
Mrs. De Witt Smith. Very soft rose	10
Mrs. E. D. Adams. Excellent variety, pure white	10
Mrs. F. L. Ames. Large yellow, very late	10
Mrs. Grace Hill. Blush pink, very fine	10
Mrs. Henry Graves. Peach pink, distinct	15
Mrs. J. Hood Wright. Pure white, early	10
Mrs. John Eyerman. Rose, pink and lilac	10
Mrs. Libbie Allen. Fine yellow	10
Mrs. W. P. Henszey. Very dark crimson	10
Mrs. W. S. Kimball. Creamy white, fine for exhibitions	10
Mrs Walter Cutting. Pearly white, tipped with pink	10
Mrs. William Trelease. Pink, of the hairy type	10
Mr. L. C. Madeira. Golden yellow, incurved	15
Mrs. E. O. Wolcott. A beautiful silvery pink	25
Mrs. F. Gordon Dexter. The largest anemone variety	25
Mrs. J. G. Whilden. Clear yellow, early	10
Mrs. Jas. Eadie. Very fine silvery pink	25
Mrs. Howard Rinek. Soft, rosy color	25
Mrs. Jas. B. Crane. Deep, rich rose color	25
Mrs. Geo. West. Rich rose, purple inside, silvery pink outside	25
Mrs. W. K. Vanderbilt. Large, pure white	25

	Each.
Mrs. E. G. Hill. Beautiful lavender pink, early	$0 25
Mrs. Geo. M. Pullman. Large, yellow, fine, early	25
Mrs. Geo. Bullock. White, sometimes quite pink	10
Mrs. Langtry. Very fine, pure white	10
Miss Kate Brown. Very early, white	10
Nineveh. Large pink, very fine	10
Niveus. Large, fine, white	10
President Wm. R. Smith. Beautiful, pink	10
Princess of Chrysanthemums. Twisted petals, pink	10
Pitcher and Manda. Centre yellow, outside petals white	15
Robert McInnes. Good, bronze	25
Robert Owen. Golden yellow, shaded rose and violet	25
Roslyn. Fine, pink	15
Rene. Old gold, shaded red	15
Summit. Fine, lemon yellow	25
Silver Cloud. White, suffused with salmon	15
Silver Bill. Fine anemone, flowered white	25
The Queen. A beautiful satiny white	10
The Livingstone. Flowers Indian red	25
Uncle Sam. Brilliant rose pink, striped with pure white	25
Vice-President Hardy. Brilliant, yellowish gold	25
Vivian Morrel. Very fine, silky rose	10
Vice-President Audiguier. Ivory white, massive flower	20
W. H. Lincoln. Very fine, large, yellow	10
White Louis Boemer. A white form of that variety	10
William Falconer. White, shaded pink	10

CARNATIONS.

This beautiful class of plants is too well known to need any introduction. The following list embraces the cream of the standard and well tried varieties, together with the best of the introductions of 1894.

	Per doz.	Per 100.
Annie Pixley. Delicate pink, vigorous	$1 50	$9 00
Adelaide Kresken. Rosy pink, strong grower	1 50	9 00
Buttercup. Rich yellow, streaked with carmine	75	4 50
Bouton d'Or. The best yellow carnation	2 00	12 00
Diaz Albertina. A grand pink, large flowers	1 25	7 00
Daybreak. A beautiful light shell pink	1 25	7 00
Dr. Smart. Pure white, pencilled with carmine	1 25	7 00
E. A. Wood. Pink variegated flowers, fine variety	1 50	9 00
Helen Keller. Pure white, marked with carmine	1 50	9 00
Jacqueminot. Rich crimson, fine grower	1 50	9 00
Lizzie McGowan. A fine white, large and full	1 00	4 50
Lamborn. Large waxy white flowers, dwarf	1 00	4 50
Mrs. Fisher. A beautiful white, grown extensively	1 00	4 50
Mrs. Stanley. Rich terra cotta	1 25	7 00
Portia. Scarlet of vigorous growth	1 00	4 50
Sweetbrier. A beautiful shade of pink	1 50	9 00
The Stuart. Bright scarlet, good grower	1 50	9 00
Thos. Cartledge. A beautiful carmine, vigorous	1 00	4 50
Uncle John. Pure white, large	1 50	9 00
Wm. Scott. The best pink carnation	1 25	7 00

For new varieties, see Novelty portion.

BULBS FOR SPRING PLANTING.

BEGONIA, TUBEROUS-ROOTED.

These are among the finest flowering plants for a greenhouse, and do well planted outside in a sheltered position. The flowers are single and double, and of innumerable shades of color. Being of easy cultivation, they should be in every collection.

The leading varieties will be found in the list below.

EXTRA RARE, DOUBLE VARIETIES.

		Each.
Clemence Denisard.	**Pink**, very large, drooping	$0 30
" "	**White.** A white variety of the above	60
" "	**Salmon.** A beautiful variety	60
Chrysanthemiflora.	Rose, one of the finest	90
Marie Mozoyer.	Pure white, an excellent variety	70
Mistress Franck.	White tinged with yellow	80
Madame Arnoult.	Rose, one of the finest	80
Octavie Malet.	Pure white, floriferous	80
Pavillon Jaune.	Yellow, the best yellow	80
Petit Henry.	Orange red, beautiful,	90
Sulphureus.	Yellow, fine flowers	80
All colors mixed, double varieties, per 100, $28.00.		40

SINGLE VARIETIES.

Only the Finest Upright Strain.

Begonia, yellow.	Extra fine strain	20
" **red.**	Fine red varieties	20
" **rose.**	Beautiful rose colors	20
" **white.**	Pure large white flowers	20
" **all colors mixed**, $10.00 and $15.00 per 100.		15

GLADIOLI.

This family is so well known that it requires no comment as to its desirability and beauty.

	Each.	Doz.
Addison. Dark amaranth, with white stripes	$0 10	$1 00
African. Dark crimson, with a white blotch in the throat	15	1 50
Ajax. Beautiful, striped	10	1 00
Amalthee. Pure white, with large violet-red blotch	10	1 00
Angele. White, showy and effective	10	1 00
Antonius. Scarlet cherry, with pure white blotch	10	1 00
Aurore. Bright salmon-rose, striped orange	15	1 50
Brenchleyensis. Vermilion-scarlet, fine old variety	5	50
Cameleon. Slaty-lilac flowers, large creamy white blotch	10	1 00
Ceres. Pure white, spotted with purplish rose	5	50
Ciceron. Fine lilac	20	2 00
Conquete. Large and fine flower of bright cherry-red	15	1 50
Cræsus. Large flower, yellow, shaded darker to the centre	10	1 00
Crystal Palace. Shining carmine, veined rose-color	10	1 00
Duchess of Edinburgh. A flower of fine form and great substance	15	1 50
Esther. Striped	15	1 50
Fatma. Large flowers of ivory-white ground, violet blotch	15	1 50

	Each.	Doz.
Feu Follet. Well opened flowers, with white throat	$0 15	$1 50
Flamboyant. Large flowers of fiery scarlet	15	1 50
Hesperide. Bright, rosy-salmon, on a pure white ground	15	1 50
Horace Vernet. Large purple-red, with white blotch	15	1 50
Isaac Buchanan. Very fine yellow	10	1 00
John Bull. White, slightly tinged with sulphur	5	50
La Phare. Brilliant fiery-red	10	1 00
Lamarck (De). Cherry, slightly tinted with orange	10	1 00
Leander. Large flower of lilac color, shading to carmine	15	1 50
Le Titien. Brilliant rosy-scarlet	10	1 00
Madame de Vatry. French white, purplish carmine blotch	10	1 00
" **Monneret,** delicate rose	5	50
Maria du Mortier. White, slightly streaked rose	10	1 00
Napoleon III. Bright scarlet, white line in each petal	5	50
Norma. Pure white	20	2 00
Octoroon. A beautiful salmon pink, very distinct	15	1 50
Pepita. Bright golden-yellow flowers	10	1 00
Snow White. Pure snow-white. A grand novelty	20	2 00
Sylphide. Pure white, flamed carmine, extra large	15	1 50
Collection, 3 named varieties, my selection		25
" 6 " " " "		50
" 12 " " " "		1 00
" 25 " " " "		2 00

	Per doz.	Per 100.
All colors mixed	$0 30	$2 00
American hybrids, mixed	50	3 00
White and light varieties, mixed	50	3 00
Striped and variegated varieties, mixed	50	3 00
Pink varieties, mixed	50	3 00
Lemoine's Finest, mixed	75	5 50

LILIES.

This is the noblest of all the bulbous plants. Graceful and imposing in habit, with showy, large, sweet-scented flowers of pure and chaste colors. Such as L. Harrisii, Longiflorum and Candidum invaluable for forcing, while L. Auratum, Speciosum, and a host of others are grand objects in borders among shrubbery or planted between Rhododendrons and Hardy Azaleas.

	Each.	Doz.
Auratum. With gold band, per 100, $16	$0 20	$2 00
Brownii. White and purple	75	7 50
Bulbiferum. Orange	20	2 00
Candidum. White	10	1 00
" **flore pleno.** White	25	2 75
" **fol. var.** Variegated foliage	35	3 50
Chalcedonicum. Bright vermilion	50	5 50
Croceum. (Saffron Lily)	25	2 75
Dalmaticum. The black lily	75	7 50
Excelsum. Primrose yellow	35	4 00
Giganteum. Monster bulbs	2 00	20 00
Grayii. New, red spotted	75	7 50
Longiflorum Japonicum. White	30	3 00
Martagon. Purple	20	2 00
Pardalinum. Red and yellow	25	2 25

	Each.	Doz.
Speciosum. Pink	$0 20	$2 00
" **album.** White	25	2 50
" **roseum.** Deep rose	20	2 00
Tenuifolium. Early red	20	2 00
Thunbergianum atrosanguineum grandifolium	35	3 50
" **aurantiacum multiflorum**	35	3 50
" **Prince d'Orange**	35	3 50
Tigrinum. Red	10	1 00
" **flore pleno.** Red	20	2 00
" **Fortunei.** Red	25	2 50
" **splendens.** Red	20	2 00
Umbellatum bicolor. Red	25	2 50
" **grandiflorum.** Red	25	2 50

MISCELLANEOUS BULBS.

Under this heading you will find a list of bulbs which are indispensable for summer flowers.

Amaryllis.

	Each.	Doz.
Atamasco. White suffused with salmon	$0 10	$0 40
Belladonna. Sweet scented pink	25	2 50
Formosissima. Large deep scarlet	20	1 50
Johnsonii. Red, with white stripes	60	6 00
Nerine Fothergilli Major. Brilliant scarlet	1 00	10 00
Sarniensis. Bright red, tinged with salmon	25	2 50
Regina. Dark red, shaded with white and orange	50	5 00
Purpurea (Vallota purpurea). Scarlet	30	3 00
Treatæa. Pure white, very fragrant	10	50
Vittata. White, with red stripes	50	5 00

Caladium Esculentum (Elephant's Ear.)

Extra size bulbs, 10 to 12 inches in circumference	1 00	10 00
First size bulbs, 8 to 9 inches in circumference	50	5 00
Second size bulbs, 6 to 7 inches in circumference	25	2 50
Third size bulbs, 4 to 5 inches in circumference	15	1 50
Caladium, Fancy Leaved Varieties. Finest sorts	35	3 50
Calla, White. The white Calla lilly	20	2 00
" **Black (Arum Scantum).** The black Calla lily	50	5 00
Calla, Spotted. Variety, with spotted leaves	15	1 50
Canna Alphonse Bouvier. Crimson, very rich	25	2 50
" **Charles Henderson.** The best dark red variety in cultivation	25	2 50
" **Mad. Crozy.** Scarlet with gold edge, per 100, $12.00	15	1 50
" **Robusta.** Chocolate maroon, grows very large	15	1 50
" **Star of '91.** A very dwarf grower.	15	1 50
" **Wm. Elliott.** Very dwarf, dark foliage, good for edging	25	2 50
" Choice mixed varieties, per 100, $6.00	10	75
" Complete Collection. See: Novelty Portion.		
Dahlia. Mixed varieties	15	1 50
Gloxinia fine bulbs. Extra fine varieties	25	2 50
Hyacinthus candicans. Tall spikes, white flowers	8	75

	Each.	Doz.
Madeira Vine (Climbing Mignonette). Fragrant white flowers	$0 05	$0 50
Milla Biflora (Mexican Star). Clear waxy, white	10	75
Oxalis Deppeii. Rosy white, fine	5	25
" **mixed colors.** Extra fine varieties	5	25
Tigridia conchiflora (Mexican Shell-Flower.) Yellow, spotted red	5	50
" **grandiflora alba.** White, yellow cup, spotted	10	1 00
" " **rosea.** Bright rose, flowering	50	5 00
" **Pavonia.** An extra fine variety	5	50
Tuberose, Tall Double. Double tall white, $3.00 per 100	8	60
" **Dwarf Pearl.** Dwarf, white, double, $4.00 per 1.00	10	75
" **variegated foliage.** A form with variegated leaves	20	2 00

WATER AND BOG PLANTS.

Never were aquatics appreciated more than they are at the present time. During the past season this branch of floriculture has formed the centre of attraction in the public gardens and at public exhibitions throughout the country. I am happy to say that I carry a most complete assortment of these beautiful flowers.

	Each.
Acorus Calamus (Sweet Flag). Leaves light green	$0 20
" **Japonica variegata.** One of the finest variegated plants in cultivation	25
Aponogeton distachyon (Cape Pond Weed). Interesting hardy-flowering plant	50
Arundo donax. A grand plant for marshy situation, hardy	25
" " **variegata.** Magnificent variegated form of the above, hardy	35
Brasenia peltata (Water Shield). Pretty plant, with small, dull purple flowers	20
Bambusa Metake. Entirely hardy, graceful for margins of water	50
Cabomba aquatica. Very valuable plant for an aquarium	25
Cyperus alternifolius. Very ornamental variety, useful for cutting	25
" **papyrus** (Egyptian Paper Plant). Very ornamental	50
Calla Africana (Calla Lily). Can be treated as an aquatic	25
" **palustris** (Water Arum or American Calla). Bog plant	25
Caltha palustris. Hardy, bright green foliage, early yellow flowers	20
Darlingtonia Californica (California Pitcher Plant). Interesting	1 00
Iris Kæmpferi (Japan Iris). Perfectly hardy and free flowering	20
Limnanthemum indicum (Water Snowflake). Tender, desirable variety	25
" **nymphæoides** (Villarsia). A pretty, hardy aquatic plant	15
" **trachyspermum** (The Fairy Water Lily). Pure white flowers	20
Limnocharis Humboldtii (Water Poppy). Beautiful yellow flowers	15
Lobelia Cardinalis (Cardinal flower). One of the finest scarlet plants	20
Menyanthes trifoliata (Buckbean). Little, pretty plant, large pure white flower	20

	Each.
Myriophyllum Proserpinacoides (Parrot's Feather). Graceful, half-hardy, aquatic	$0 15
Nelumbium album grandifl. Largest, pure white flowers, hardy	2 50
" **nuciferum.** From Japan, a hardy, grand variety	1 00
" **luteum** (American Lotus). Beautiful, pale yellow flowers, hardy	1 00
" **roseum fl. pl.** Deep rosy-pink, magnificent flowers	2 00
" **speciosum** (Egyptian Lotus). A most desirable aquatic	2 00
Nymphæa alba. Hardy deep green foliage, pure white flowers	1 00
" **candidissima.** Hardy, one of the best varieties in cultivation	1 00
" **cœrulea.** Fine species with blue flowers	1 00
" **Devoniensis.** Tender, very choice Water Lily, rosy red flowers	1 00
" **dentata.** Tender deep green foliage, white, enormous flowers	1 00
" **elegans.** A tender and very desirable variety	1 00
" **flava.** Tender, bright yellow-flowering species	30
" **gigantea.** Very beautiful and large-flowering Water Lily	2 50
" **candida.** Hardy, white flowering variety from Bohemia	1 00
" **Lotus.** A tender Egyptian variety, very desirable	1 00
" **Laydeckerii rosea.** Tender, new, various colored flowers	2 50
" **Mexicana.** Tender, free flowering, rich golden yellow flowers	50
" **Marliacea albida.** Hardy, fine bold foliage.	2 00
" " **carnea.** Similar to the preceding, with blush white flowers	2 00
" " **chromatella.** Hardy, beautiful clear yellow flowers	75
" " **rosea.** Hardy. A charming variety, rose pink flowers	2 00
" **odorata.** Hardy, well-known fragrant pond lily	25
" " **gigantea.** Hardy superb variety, large and full flowers	25
" " **Caroliniensis.** The grandest of all odorata type, quite hardy	2 00
" " **exquisita.** The deepest colored of all hardy Nymphæas	2 00
" " **rosea.** Hardy deep pink flowers, most desirable	1 00
" " **sulphurea.** Hardy, large yellow fragrant flowers	75
" " **minor.** Hardy, small flowers and leaves	25
" **pygmæa.** The smallest flowering species, hardy	50
" " **helviola.** Hardy, most desirable for basins and tubs	75
" **rubra.** Tender, very strong growing variety	1 00
" **Sturtevantii.** Superb variety, bright rosy red flowers	2 50
" **scutifolia.** Tender, large bright blue, free blooming	1 00
" **tuberosa.** Hardy interesting variety, white fragrant flowers	25

	Each.
Nymphæa Zanzibarensis. Tender, very large, intense blue flowers	$2 00
" " **rosea.** Tender, beautiful deep rose, very choice	75
" " **azurea.** Azure blue, very large flowers, tender	75
Ouvirandra fenestralis. Very interesting (lattice leaf plant)	5 00
Pontederia crassipes major (Water Hyacinth). Soft, rosy-lilac colored flower	15
" **cordata.** Hardy, strong growing native species	35
" **azurea** (Blue Water Hyacinth). Very attractive and interesting aquatic	25
Pistia stratiodes (Water Lettuce). Very ornamental, tropical, aquatic	20
Peltandra Virginica (Water Arum). Calla-like, with greenish flowers	20
Salvinia natans. A pretty, little floating aquatic	20
Sagittaria Montevidensis (Giant Arrowhead). Massive, pure white flowers	20
" **Japonica fl. pl.** (Double flowered arrowhead). White flowers	25
Scirpus Tabernæmontani Zebrina (The Japanese Porcupine Plant). Very ornamental	20
Sarracenia Drummondi. Beautifully variegated foliage	25
" **flava** (Trumpet Leaf). Yellow flowers and leaves	25
" **purpurea** (Pitcher Plant). Deep purple flowers and pitchers	20

BEDDING AND GARDEN PLANTS.

The list below are all well known tested varieties of the best plants used for bedding. Purchasers desiring large quantities will do well to write me, and I will make special quotations.

	Per doz.	Per 100.
Alternanthera. Fiery red foliage, dwarf	$1 00	$6 00
" " **yellow.** A yellow form	1 00	6 00
Ageratum, best white. Free flowering	75	4 00
" " **blue.** A blue form of the above	75	4 00
Begonia Vernon. Fine for bedding	75	4 00
Centaurea (Dusty Miller). Used extensively for bedding		
Coleus, Golden Bedder. A fine yellow sort,	1 00	5 00
" **Black Prince.** Foliage nearly black.	1 00	5 00
" **Queen Victoria.** Red edged with yellow	1 00	5 00
" **Verschaffeltii.** The standard sort	1 00	5 00
" **Spotted Gem.** A spotted variety	1 00	5 00
Fuchsias in assorted varieties. Extra fine	1 00	8 00
Geranium, General Grant, scarlet. Fine double, free	1 00	8 00
" **Mme. Thibaut, pink.** Excellent bedder	1 50	12 00
Glechoma hederacea variegata. Fine for baskets or vases	1 50	8 00
Lobelias (best dwarf blue). A fine dwarf plant,	75	4 00
Pyrethrum (Golden Feather). Fine feathery foliage	75	4 00
Petunias, finest double. Extra fine varieties.	1 00	10 00
" " **single.** Excellent sorts, florif-erous	75	5 00
Roses, finest varieties. A fine assortment	1 00	12 00
Sweet Alyssum, Tom Thumb. Very floriferous and fragrant	1 00	6 00

	Per doz.	Per 100.
Salvia. Brilliant scarlet, tall growing plant	$1 00	$6 00
Tropæolum (Tom Thumb varieties). Fine for borders or beds	1 00	6 00
" **variegated-leaved.** A variegated form	2 25	
Verbena, to color. Very gay colors, fine varieties	75	4 00
Vinca. Fine for vases or boxes	1 50	9 00

SPRING BEDDING PLANTS.

Below find my selection of a few plants which are adapted for early bedding. They last in perfection from early spring until the middle of May, when they can be lifted and summer bedding plants put in their place, thus prolonging the season and making the garden look beautiful long before it would be if it were not for these little gems.

	Per doz.	Per 100
Dianthus plumarius pl. Beautiful, hardy, pink	$1 50	$9 00
Funkia undulata variegata. Fine variegated foliage	1 50	9 00
Iberis sempervirens. Beautiful white blossoms, dwarf	1 50	9 00
Myosotis (Forget-me-not). Fine bedding plant	1 00	6 00
Pansies. The very finest varieties	1 00	6 00
Phlox subulata (Moss Pink). Dwarf masses, star shaped flowers	1 50	9 00
Primroses. Beautiful varieties	1 50	9 00
Silene pendula. Fine pink and white flowers	1 00	6 00

SEEDLING ANNUALS FOR BEDDING, ETC.

Under this heading is listed a general assortment of the finest annuals for garden planting or bedding. They are fine, stocky plants, grown in frames, and can be lifted with fine roots so that there will be no danger in transplanting. This will be very beneficial to parties wanting these beauties and having no facilities to raise them from seed. Per doz., 50c.; $3.00 per 100. Best varieties of *Asters, Ageratum, Alyssum, Balsams, Lobelia, Marigold, Nasturtium, Sweet Sultan, Petunia, Phlox Drummondii, Dianthus, Scabiosa, Zinnias. Snapdragon, Larkspur Gaillardia, Four O'clock, Centaurea and Calendula.*

GREENHOUSE FLOWERING PLANTS.

This useful class comprises both dwarf and climbing kinds. Only such are listed as have been found to be the best and most popular varieties. I will be pleased to quote prices on any others not listed or for large specimens.

Azaleas.

There is no greenhouse shrub that gives such satisfaction as a good plant and variety of Azalea. The following dozen varieties are the cream of the Azaleas, while I offer well furnished plants set with buds at the following low prices: Plants, 9–10 inches in diameter, 75 cts. each, $7.50 per doz.; 10–12 inches in diameter, $1.00 each, $10.00 per doz.; extra large, 12–15 inches in diameter, $1.50 each, $15.00 per doz. Extra large specimens, price on application.

A. Borsig. Pure double white.
Madame Van der Cruyssen. Semi-double bright rose.
Sigismund Rucker. Lilac rose and white.

Bernard Andrea Alba. Double white.
Deutsche Pearl. Very early double, pure white.
Imperatrice des Indes. Large double rose, edged white.
Souv. de Prince Albert. Double white and lilac.
Dr. de Moor. Double, intense rose.
Empereur de Bresil. Rose and white, large double.
Cocarde d'Orange. Fine double, orange red.
Simon Mardner. Very deep pink, shape of a Camellia.
Vervæana. A very large double, rose and white.

Anthurium Andreanum. Orange red, with yellow, good keeper $2 00
" **Brownii.** Handsome foliage, deep blood red flower 3 00
" **Clarkiana.** Light red, shaded with pink .. 3 00
" **Ferrierense.** Bright red, with white, beautiful 2 00
" **Reynoldsiana.** Shining pink, with white and yellow 3 00
" **Scherzerianum.** Compact growth, brilliant scarlet, with red and orange 1 00
Allamanda Hendersoni. Evergreen stove plant, light yellow flowers 75
" **nobilis.** Bright yellow flowers, good stove-climber 75
" **nerifolia.** Fine bushy stove-plant 50
Acacia. In varieties ..... 50c. to 3 00
Adamia versicolor. Large heads of blue flowers 50
Aristolochia elegans. Beautiful climber, useful for covering pillars 25
" **grandiflora** (the Pelican-flower). A very interesting plant 1 00
" **ridicula.** Flowers resembling the face of a monkey 1 00
" **ornithocephala.** Has very interesting flowers 1 00
Aphelandra aurantiaca Roezlii. Dark green twisted leaves, bright scarlet flowers 75
Begonia Vernon. Very free-flowering plant 25
" **incarnata.** Fine for cutting 25
" In many varieties ..... 25c. to 50
Bouvardias. In varieties ..... 15c. to 25
Bougainvillea glabra. Finest climbers in cultivation .. 50
Cherokee Rose (Rosa Sinica). Fine evergreen climber, white flowers 25
Clerodendron Balfouri. Stove-climber, white and red flowers 50
Cassia corymbosa. Large numbers of red flowers ... 50
Chorizema ilicifolia. Handsome yellow flowers 75
Chrysanthemum frutescens (Paris Daisy). According to size ..... 25c. to 2 00
" " **Etoile d'Or,** Yellow flowered form 25
Cuphea Llava. Useful plant for flower beds 25
Dipladenias (in varieties). Choice stove-climbers ..... $1 00 to 3 00
Erica hyemalis. White and pink flowers, fine greenhouse plant 1 00
" **persuluta alba** 1 00
Eucharis Amazonica. Beautiful stove-plant, large white flowers 25
Euphorbia jacquinæflora. Useful winter flowering plant 50
Eupatorium ianthinum. Forming large trusses of purple flowers 50
Gardenia florida. Evergreen shrub, with white, sweet flowers 50
Genistas (in varieties). According to size .... 25c. to 3 00
Geraniums. In the best varieties 15

Goldfussia hyssopifolia. Stove evergreen, light-blue flowered.....$0 25
Hydrangea (in varieties). According to size..25c. to 5 00
Hibiscus. In doz. leading varieties.....25c. to 50
Heliotrope. Useful sweet scented plant..... 25
Hedychium coronarium. Large truss of white-scented flowers..... 50
" **flavum.** Long spike of smaller yellowish flowers..... 1 00
Imantophyllum miniatum. Large head of pretty orange-red flowers..... 1 00
Impatiens Lucy. Dark red balsam-like flowers..... 25
Justicia speciosa. Very free-flowering greenhouse plant..... 25
Jasminum gracillimum. Large pure white, sweet-scented flowers..... 50
" **grandiflorum.** Yellow flowers, reddish underneath..... 50
" **Sambac.** Large white, sweet-scented flower..... 50
Lapageria rosea. A beautiful greenhouse climber, waxy white..... 3 50
" **alba.** Useful as the above, red variety... 5 00
Libonia floribunda. Very graceful, scarlet, yellow-tipped flowers..... 25
Linum trigynum. Producing very ornamental, deep orange flowers..... 25
Myenia erecta. A grand stove-plant, beautiful blue flowers..... 50
Ophiopogon Jaburan variegatus. Variegated foliage, with creamy white..... 75
Pelargonium (in varieties).....35c. to 50
Pleroma elegans. Shining green foliage, rich, large blue flowers..... 50
Plumbago Capensis. Fine greenhouse shrub, small green leaves..... 25
" **coccinea.** Broad entire leaves, dark red flowers..... 35
Passiflora. In varieties; elegant greenhouse climbers.....25c. to 1 00
Reinwardtia tetragyna. Large, open, bell-shaped, yellow flower..... 50
Ruellia formosa. Free-flowering plant, fine scarlet flowers..... 35
Rhynchospermum jasminoides. Beautiful greenhouse climber..... 50
Stephanotis floribunda. Stove-climber, white sweet scented..... 1 00
Salvia. In varieties..... 25
Streptosolen Jamesonii. Orange-colored flowers, beautiful evergreen..... 25
Swainsonia galagifolia alba. Large bunches of fine white flowers..... 35
Stigmatophyllum ciliatum. Climber with yellow orchid-like flower..... 75
Stevia. Useful white, winter-flowering plant..... 25
Tabernæmontana coronaria. Stove-evergreen, sweet white flowers..... 75
Tecoma Capensis. Fine climber, orange-scarlet flowers..... 25
Thyrsicanthus rutilans. Large drooping spikes of pink flowers..... 50
Thunbergia laurifolia. Large light blue flowers, beautiful climber..... 75
Veronica. In varieties..... 25

Orchids.

These are undoubtedly the coming flowers, and every greenhouse or conservatory should have at least a few of these floral gems. They are of easy culture, and will grow in any ordinary greenhouse or conservatory together with other common plants, such as geraniums, fuchsias, etc. Most of the varieties can be grown in baskets or on blocks and suspended from the roof, thus not utilizing any bench room. Orchids, when in bloom and kept in cool places, will last from four to ten weeks in perfection, so that any one having a small collection of orchids will have some plants in bloom all the year round. Amateurs intending starting to grow orchids should write for list of such varieties as are best suitable for beginners. The following are a few cultural points: Orchids require a season of growth and a season of rest, corresponding with the wet and dry seasons of their native country. When they are making new growths they should receive a liberal supply of water until the maximum is reached, when the new bulb is nearly full size; then it should receive just enough water to keep the bulbs from shriveling; as soon as it shows the sign of bloom, water it again until it has done flowering.

The prices quoted are for nice, thrifty, flowering size plants. Prices and sizes of various specimens will be cheerfully given to intending purchasers on application.

CATTLEYA.

The Cattleyas are among the most beautiful of the whole Orchid family.

The flowers are all large and elegant, and cannot be surpassed for their sparkling richness and depth of color. They can be easily grown in baskets or pots, with a compost of fibrous peat and moss, with good drainage and a liberal supply of water while growing, but as soon as they have finished their growth the supply must be greatly decreased.

	Each.
Bowringeana. Rich purple, easily grown	$3 00
Citrina (Tulip Orchid). Lemon yellow, sweet scented	1 00
Crispa. White and crimson, scarce plant	5 00
Chrysotoxa. Rich crimson, red and yellow, rare	10 00
Dolosa. Rare specimen, fine plant	12 00
Dorminiana. Chocolate and purple	5 00
Dowiana. Rich, red and yellow, grand	4 00
Eldorado. White and pink, sweet scented	3 00
Gaskelliana. Rosy lilac, free grower	2 00
Gigas. Rich, rosy, yellow eyes	5 00
" **Sanderiana.** Rich crimson, yellow eyes	7 50
Guttata. Brown and pink, in large trusses	3 00
Harrisoniæ. Lilac, easy growing plant	3 00
Intermedia. Rosy lilac, free flowering species	2 00
Labiata (vera). Rosy pink and crimson lip	3 00
Lawrenceana. Rich crimson colored flowers, rare	5 00
Leopoldii. Brown and pink, large trusses	3 00
Maxima. Light rose veined lip	3 00
Mendellii. White and rose, summer flowering	3 00
Mossiæ. Rose to crimson red, with yellow markings	2 00
" **alba.** Rare white form, price on application.	
Percivaliana. Rose to crimson, fine winter flowering	2 00
Skinnerii. Rich rose, in large spikes	2 00
" **atrorosea.** Rich crimson variety, very choice	7 50

	Each.
Schroderæ. Soft lilac, yellow throat	$4 00
Speciosissima. Large, pink to crimson	5 00
Trianæ. Lilac rose to crimson, the best	2 00
" **alba.** Rare white form (price on application).	
" **Backhousiana.** Rare variety (price on application).	
" **delicata.** Very light rose colored	5 00
Warnerii. Rich rose and crimson	3 00

CYPRIPEDIUM.

They are the easiest grown of all orchids. Many of them have beautiful marked foliage as well as flowers, and on this account should have a place in every collection. To be grown to perfection they like abundance of moisture and plenty of drainage, being potted in peat fibre and sphagnum. The flowers last from four to sixteen weeks on a plant, and, when cut, two to four weeks. The star (*) after the name denotes the variety to be a hybrid.

	Each.
Albo-Purpureum.* Beautiful rosy pink	$3 00
Arthurianum.* Finely dotted and lined	8 00
Ashburtoniæ.* Reddish brown and white	2 50
Barbatum. White and deep purple	1 00
Boxallii. Yellowish green, shaded purple, brown	2 00
Calanthum.* Rare hybrid (price on application).	
Callosum. Large white and purple	2 50
Calurum.* Large rosy crimson	2 00
" **Rougieri.*** Large flowering variety of above	7 50
Canhami.* Rare hybrid, very large flower	18 00
Cardinale.* White and rich crimson, choice	8 00
Caudatum. Very large flowers, petals 24 inches long	3 00
Chamberlainianum. Newly discovered species	3 50
Dauthieri.* Free flowering reddish purple	2 50
Dayanum. Pale colored with dark stripes	3 00
Dominianum.* Very free growing and flowering	1 00
Druryi. Yellow flower with purple stripe	5 00
Grande.* Enormous flowers, 3 to 4 on a spike	5 00
Harrisianum.* Flowering several times during the year	1 50
" **superbum.*** Grand and rare form	15 00
Hartwegii. Yellowish green, continuous bloomer	2 00
Haynaldianum. Three to five flowers on long stems.	3 00
Hirsutissimum. Very large, green and purple	2 50
Hookeræ. Beautiful foliage, green and purple flower	1 00
Insigne. Free growing and popular variety	1 00
" **maximum.** Larger than the type	2 00
Josephianum.* Rare hybrid (price on application).	
Lævigatum. Flowers, combined yellow, white and purple	3 00
Lawrenceanum. Bold white and purple, striped flowers	2 00
Leeanum.* Sepal white dotted with pink	3 00
Leucorhodum.* Grand, shell pink color, rare	15 00
Longifolium. Tawny yellow, profuse bloomer	2 00
Lowii. Long stem with numerous flowers	4 00
Macropterum.* Rare hybrid (price on application).	
Morganiæ.* Finest and rarest (price on application).	
Niveum. Delicate, pure white species	2 00
Œnanthum.* Showy, claret purple and white	3 00
Orphanum.* Rare hybrid (price on application).	
Parishii. Numerous green and purple flowers	4 00
Pearcei. Small neat flowers, yellowish	2 00
Pleuroneuron.* Purplish, brown and green	3 00
Porphyreum.* Deep rose, free flowering	2 00

	Each.
Roezlii. Green and rose, very floriferous	$2 00
Rothschildianum. Very large and striking, scarce	7 50
Schlimii. Small, white and rosy flowers	2 50
Schroederæ.* Very large, rosy crimson flowers	12 00
Sedenii.* Very floriferous, rose colored	75
Selligerum.* Large, brown, purple and white flowers	3 00
Spicerianum. Lovely flower with white dorsal sepal	2 00
Superciliare.* White and purple, free grower	3 00
Tonsum Superbum. Copper colored, dark spots	7 50
Vexillarium.* Beautiful white and purple rose flower	7 50
Villosum. Shiny surface, as if varnished	2 00

Larger plants of any above variety on application.

LAELIA.

This is a lovely genus, and one of the most valuable for cut-flower purposes. Most of the species are vigorous and compact in growth, with evergreen leaves much like the Cattleyas, to which they are strongly allied, and many are of equal beauty when in bloom. They do best in baskets or pots, with a compost of fibrous peat and good drainage.

	Each.
Acuminata. White and rose-colored flowers	$3 00
Albida. White, with lilac lip	1 00
Anceps. Rose to rich crimson, free grower	1 00
" **alba.** Rare white variety of the former	7 00
Arnoldiana. Rose, flowers in autumn	4 00
Autumnalis. Rich rose, large flowers	2 00
Cinnabarina. Rich red, small flower	3 00
Dayana. Fine rose and crimson	3 00
Elegans. Rare natural hybrid, variable	7 00
" **alba grandiflora.** Very rare. (Price on application.)	
Eyermanii. Natural hybrid, rare	5 00
Gouldiana. Rich rosy crimson. (Price on application.)	
Grandis. Fine species, rare in cultivation	4 50
Harpophylla. Rich, clear, red flower, showy	5 00
Majalis. Large rosy flowers	2 00
Pattinii. Rich rose flowers, in cluster	3 00
Perrinii. Large flower, dark lip	3 00
Purpurata. Large white, crimson lip, grand	3 00
Superbiens. Long spike, with light, rosy flowers	5 00

DENDROBIUM.

This is a very extensive as well as a magnificent genus of orchids, with tall jointed stems, bearing racemes of handsome flowers, especially fine for cutting. Some of the varieties produce fine large showy flowers, which are delicate in color and delightfully fragrant. They grow best in baskets, and while growing should never get dry, but during rest should be kept cool and dry.

	Each.
Ainsworthii. Hybrid, beautiful, rosy white	$4 50
Albo-sanguineum. Buff colored flowers	2 00
Brymerianum. Rich yellow fringed flowers	3 00
Calceolaria. Fine large buff colored flowers	2 00
Chrysotoxum. Rich yellow flowers	3 00
Crassinode. White rose flowered plants	3 00
Dalhousianum. Very large buff and crimson flowered	4 00
Densiflorum. Deep yellow bunches of flowers	3 00
Farmerii. Delicate lilac and yellow	3 00
Fimbriatum. Fine spikes of yellow flowers	3 00
" **oculatum.** Variety with dark eye	5 00
Formosum. White waxy flower	2 00
" **giganteum.** Very large variety of flowers	3 00
Heterocarpum. Fine primrose, yellow, sweet	2 00
Iamesianum. Pure white, fine	2 50

	Each.
Moschatum. Buff color flower in summer	$2 00
Nobile. Free grower, white and pink flowers	1 00
" **Ailanianum.** Rare variety, price on application.	
" **Sanderiana.** Rich crimson, variety	3 00
Phalænopsis Schroderæ. Large rose, colored flowers	3 00
Speciosum. Curious Australian species	3 00
Thyrsiflorum. Large bunches of white and yellow flowers	3 00
Wardianum. Large white flowers, tipped with pink.	3 00
" **album.** Rare, white form; on application.	

ODONTOGLOSSUM.

This genus contains some of the choices and most useful Orchids in cultivation. The flowers of the Odontoglossum are very beautiful and last a long time in perfection. Shade, moisture and cool temperature in summer are very essential to their well being. A little sun in winter is preferable, as it ripens the bulb, which is necessary to produce fine flowers. Plant in pots or baskets, in rough, fibrous peat and moss, with good drainage, and give plenty of water.

	Each.
Aspersum. Yellow and brown, rare hybrid	$5 00
Bictonense. Long spikes of lilac, brown colors	3 00
Cervantisii. White spotted flowers	2 50
Citrosmum. Drooping spikes, white flowers	3 00
Crispum. White spotted, the best cool orchid	2 00
Grande (Baby Orchid). Large, yellow, red brown	2 00
Harryanum. Brown, white and lilac, fine	3 00
Luteo-purpureum. Rich, brown and yellow	2 00
Maculatum. Yellow and brown flowers	2 00
Nebulosum. Large white lip, spotted	2 00
Pescatorei. White flower of arching spikes	2 50
Pulchellum majus. White flowered species	1 00
Rossii majus. Free grower, white and brown flowers,	1 00
Triumphans. Rich, brown and yellow flowers	3 00
Vexillarium. Large lilac flowers in summer	3 00

ONCIDIUM.

This genus comprises some very showy plants, with long arching spikes of mostly yellow, often sweet scented flowers. They grow best in baskets and blocks, in temperate house, with plenty of air, and the resting period well marked.

	Each.
Altissimum. Long stems, yellow flowers	$3 00
Cavendishianum. Yellow and brown flowers	3 00
Crispum. Fine rich brown and yellow	3 00
Incurvum. Long stems, lilac and white flowers	1 00
Ornithorhynchum. Covered with lilac, sweet flowers.	1 00
Papilio (Butterfly Orchid). Large yellow and red	3 00
Sarcodes. Fine yellow and brown variety	3 00
Sphacelatum. Long stems of yellow flowers	2 00
Splendidum. Large, massive, yellow and brown flowers	5 00
Tigrinum. Large yellow, sweet scented species	3 00
Unguiculatum. Long stems, yellow and brown flowers	2 50
Varicosum. Large yellow flowers, arching spikes	3 00
" **Rogersii.** Grand variety of the former	5 00

VANDA.

This genus is composed of stately plants, with large massive foliage and fine showy flowers, and on that

account should be in every collection. They do best in warm greenhouses, planted in baskets and suspended from the roof, with liberal supply of water in the growing season.

	Each.
Batemanii. Rich brown and yellow	$5 00
Cœrulea. Beautiful blue flowers, fine	4 00
Dennisoniana. Ivory white flowers	3 00
Sanderiana. Largest flowers, rare. (Price on application.)	
Suavis. Large lilac and crimson flowers	5 00
Teres. Large pink and brown flowers	2 00
Tricolor. Fine brown and purple flowers	5 00

VARIOUS ORCHIDS.

	Each.
Ærides Fieldingii (Fox Brush Orchid). Pink	$3 00
" **odoratum.** Sweet scented, white and pink	2 50
" " **majus.** Large flowered variety	5 00
Angræcum Leonis. Ivory white flowers	3 00
" **Sanderianum.** Graceful arching spikes	3 00
" **sesquipedale.** Gigantic ivory-like flowers.	15 00
Bollea cœleste. Large, almost blue flowers	3 00
" " **alba.** Rare white form of this flower.	15 00
Broughtonia Sangiunea. Rose colored flowers	1 00
Brassavola glauca. Large creamy flowers	2 50
Brassia verrucosa. Long arching spikes	2 00
Calanthe Veitchii. Rich pink flowers on long stems	2 00
" **vestita.** Arching spikes of white flowers	2 00
Chysis aurea. Yellow and brown flowers	3 00
" **bractescens.** White waxy flowers	3 00
Cœlogyne cristata. White, useful, free grower	1 00
" **Dayana.** Fine rose and crimson flower	3 00
" **Massangeana.** Yellowish flowers in long sprays	5 00
" **lentiginosa.** White and yellow	3 00
" **ocellata.** White, yellow markings	3 00
" **speciosa.** Creamy, with brown lip	3 00
Cymbidium aloifolium. Long spikes of brown flowers.	2 00
" **eburneum.** Large white, waxy flowers	3 00
" **giganteum.** Long stem, green and brown flowers	3 00
" **Lowii.** Pea green flowers on long spikes.	3 00
Dendrochilum glumaceum. Drooping spikes of white flowers	2 00
Epidendrum bicornutum. Pure white, large, showy	3 50
" **vitellinum majus.** Rich orange red, distinct	1 00
Grammatophyllum Ellisii. Large yellow and red flowers	7 50
Lycaste aromatica. Yellow, sweet scented	1 00
" **cruenta.** Rich yellow, free grower	2 00
" **Deppei.** Yellowish and white	1 00
" **lanipes.** Large waxy flowers	5 00
" **Skinnerii.** Ligh to deep rose, useful plant	2 00
Masdevallia amabilis. Rich purple flowers	2 00
" **Harryana.** Rich shades of pink and crimson	2 00
" **ignea.** Fine dark red variety	3 00
" **Tovarensis.** Pure white flowers	2 50
Maxillaria picta. Yellow and brown, sweet scented.	2 00
" **tenuifolia.** Brownish flowers, very fine	1 00
Miltonia Clowesii. Chestnut brown, long spikes	3 00
" **Regnellii.** Rich crimson, rare	5 00
" **spectabilis.** White, with rosy lip	3 00
Peristeria elata (Holy Ghost Plant). Pure white, waxy	3 00
Phaius grandifolius. Terrestrial, white and brown flowers	1 50

		Each.
Phalænopsis amabilis.	Long arching stems, white flowers	$3 00
" **grandiflora.**	Large white flowers	3 00
" **Schilleriana.**	Branching spikes, lilac flowers	5 00
Saccolabium Blumei.	Long stems of pink flowers	3 00
" **giganteum.**	Flowers white, spotted pink	2 00
Sobralia macrantha.	Large purple flowers, terrestrial	3 00
Stanhopea oculata.	Large fragrant flowers	1 00
Zygopetalum Mackayii.	Sweet scented, free grower.	2 00

Do not be misled because you see the firm name of PITCHER & MANDA unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it.

You will find the ORIGINAL and ONLY

W. A. MANDA,

. . AT THE . .

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.,

where please address all letters and orders intended for me, as I am not in any way connected with the firm that still uses my name.

SEND ME A TRIAL ORDER.

GREENHOUSE FOLIAGE PLANTS.

This is a class of plants which is becoming more popular every day. Their fine marked foliage and graceful habit make them great favorites. There is nothing equal to a house filled with a collection of these plants.

	Each.
Ananassa sativa variegata. Green and white leaved pineapple	$3 00
Araucaria excelsa (Norfolk Island Pine). A very decorative plant	3 00
" " **glauca.** A variety with bluish tint	4 00
" " " **compacta.** Very effective, rare variety	
Alocasia macrorhiza variegata. Large white and green leaves	1 00
" **metallica.** Massive foliage, metallic-bronze color	1 00
" **Johnstonii**	1 00
" **Sedeni.** Bronze-leaves, with white midril	2 00
Anthurium crystallinum. Massive, velvety foliage, with white veins	1 00
" **grande.** Long, bronze foliage	1 00
Asparagus plumosus. Climbing plant, indispensable	75
" **nanus.** Very fine for bouquets	75
" **tenuissimus.** Fine, feathery foliage	35
Aralia Chabrierii. Dark green pinnate leaves	1 00
" **filicifolia.** Graceful fern-like foliage	50
" **Guilfoylei.** Beautiful variegated foliage	50
" **Papyrifera.** Velvety, grayish foliage	75
" **Sieboldii.** Broad, massive leaves, useful for decoration	50
" " **variegata.** Variegated form of the above	1 50
Abutilon Thompsoni. Green, with yellow blotches	25
Aspidistra lurida. Most durable, effective plant	75
" " **variegata.** A beautiful form with white stripes	1 00
Bambusa arundinacea. Graceful and light decorative plant	2 00
Billbergia Liboniana. Interesting pineapple	1 00
Bromeliads. In many varieties .....$1 00 to	3 00
Begonia argentea guttata. Foliage spotted with white	50
" **maculata.** Tall growing variety, with white spotting	30
" **manicata aurea.** Broad leaves, with yellow variegation	75
" **metallica.** Rich colored foliage	25
Begonia Rex. In many varieties .....25c. to	50
Bertolonia Van Houttei. Choice stove-plant	2 00
Cyperus alternifolius. Fine decorative plant	25
" " **variegatus.** Foliage nicely variegated	1 00
Campylobotrys Ghiesbreghiti. Reddish-bronze foliage	50
" " **variegata.** White and red foliage	75
Costus zebrina. Large massive green leaves	75
Croton. In choicest 25 varieties.....50c. to	1 00
Cissus discolor. Beautiful climber with variegated foliage	50
Curmeria Wallisii. Beautiful compact stove-plant	2 50
Cycas circinalis. Larger and more graceful foliage than Revoluta	5 00
" **revoluta** (Sago Palm). Very useful for funeral designs, dark green	2 00
Dieffenbachia Baraquiniana. White and green foliage	75
" **Bausei.** Yellow and white foliage	75
" **Bowmanni.** Yellow foliage	75
" **picta.** Green leaves, spotted white	75
" **Neo-Guineensis.** Green splashed white	1 00

	Each
Dieffenbachia splendens. White and deep green foliage	$1 00
Duranta Baumgartii variegata. Decorative variegated plant	50
Darlingtonia Californica. Curious pitcher plant	1 00
Dionæa muscipula. (Venus Fly-Trap). Very interesting	50
Dichorisandra musaica. Distinct beautiful stove plant	1 50
Dracæna amabilis. Green, white and pink foliage	1 00
" **Draco** (Dragon Tree). Fine massive plant.	3 00
" **fragrans.** Broad green arching leaves	50
" **hybrida.** Red, white and pink foliage	1 00
" **indivisa.** Narrow-leaved, excellent for vases	50
" **Lindeni.** Green with yellow stripes	2 00
" **Massangeana.** Broad green leaves, with yellow middle	1 75
" **Neo-Caledonica.** Large massive, metallic leaves	2 50
" **Shepherdi.** Broad red and yellow foliage	50
" **terminalis.** Bright red and rose, colored foliage	50
" " **stricta.** Broader foliage than the above	1 00
" **Youngi.** Deep purple foliage	50
" 25 other varieties, according to size, 50c. to	3 00
Eucalyptus globulus. Australian blue gum tree	25
" **citriodora.** Slender habit, lemon scented	35
Ficus repens. Useful for covering walls	25
" **elastica.** The well-known robber-plant	50
" " **variegata.** Beautiful yellow and green foliage	2 50
Fittonia argyroneura. Beautiful stove evergreen plant	25
" **Verschaffeltii.** Large, dark green foliage, mid-rib dark red	25
Grevillea robusta. A beautiful foliage plant of graceful habit	50
Hedera (Ivy). In varieties, useful for greenhouse or garden	25
Heliconia aureo-striata. Strikingly handsome plant	2 00
Hibiscus Cooperi. Nicely variegated foliage, an elegant plant	50
Lygodium scadens (Climbing Fern). Good for covering walls	50
Laurus nobilis (Sweet Bay Tree). A very decorative plant for lawns. Sizes and prices on application.	
Maranta bicolor. Pale green, with blotches of dark olive	35
" **Kerchoveana.** Short leaves, grayish green, with purplish blotches	50
" **Legrelliana.** Dark green leaves, with a band of white	50
" **Luetzii.** Deep metallic green, with feathery markings	75
" **Makoyana.** A fine variety, with distinct markings	1 00
" **Massangeana.** Foliage beautifully covered with rich markings	50
" **micans.** Small species, dark shining green, with white	50
" **Porteana.** Bright green, striped with white, elegant	50
" **princeps.** Large growing, with rich dark green leaves	1 00
" **pulchella.** Good variety for general purposes	50
" **zebrina,** (Zebra Plant). Velvety light green beautiful markings	50

	Each.
Maranta Chimboracensis. Light green leaves, zigzag belt of olive and white	$0 50
" **undulata.** Dark green, with white midrib	50
" **ornata.** Grayish green, with light midrib	50
" **arundinacea variegata.** Beautiful variegated leaves	75
" **Goveana,** light green, with dark markings	35
Mimosa pudica (Sensitive Plant). Beautiful green foliage	25
" **sensitiva.** Interesting plant, similar to the above, broader leaves	75
Nepenthes. In best varieties	$3 00 to 5 00
Panicum Variegatum. White striped and pink tinted foliage, fine	15
Panax Victoriæ. Variegated leaved stove shrub, very graceful	50
Pepinia aphelandræflora. Elegant plant, with bright red flowers	35
Pandanus graminifolius. Pretty dwarf growing variety	50
" **utilis.** A beautiful house plant	50
" **Veitchii.** Long, narrow, variegated leaves, splendid plant	1 00
Paulinia thalictrifolia. Beautiful fernlike foliage	75
Peperomia argyræa. Thick, fleshy leaves, very handsome	35
Philodendron spectabile. Large, massive foliage, good for exhibition	1 00
Phrynium variegatum. Beautiful stove herbaceous perennial	75
Philanthus nervosus pictus. Beautiful colored foliage, either for greenhouses or tropical beds.	50
Pothos argyræa. Silvery green leaves, fine stove climber	50
Phillotænium Lindeni. Variegated leaves, good store plant	1 00
Rohdea Japonica variegata. Beautiful variegated greenhouse plant	75
Schismatoglottis Roebelinii. Good decorative plant, variegated foliage	75
Sarracenia. In best varieties	25 to 75
Sonerilla Hendersonii. Beautiful silvery foliage, very compact plant	50
Sphærogyne latifolia. Broad, massive, velvety green leaves	1 50
Tradescantia discolor. Massive green leaves, the under side purple	50
" **crassifolia.** Thick green foliage, very quick growing	35
Vreesia splendens. Yellow flowers, a splendid variety	1 50
Vinca major variegata. Trailing plant, light green leaves, white margins	35
Zamia integrifolia. A very decorative plant, valuable as the above	1 00

I will be pleased to quote special prices for large specimens, quantity, or any variety not in the catalogue.

PALMS.

There are no plants more attractive than this family. In the whole vegetable kingdom there are none so graceful. Many species will stand a considerable amount of exposure and rough usage. In the list below you will find the best varieties for house culture. The prices quoted are for good decorative plants. For large specimens or rare varieties prices and description will be given on application.

ARECA.

One of the most beautiful and elegant palms in cultivation, with bright green foliage; for decorative purposes it is indispensable.

	Each.
Baurei. Fine, hardy palm, very graceful	$1 00
Lutescens. Elegant and very graceful palm, yellow stem	50
Rubra. A very strong grower, fine for conservatory	2 00
Sapida. A strong, upright, much divided, dark fronds	2 00
Verschaffeltii. Dark green fronds with white rib	2 00

KENTIA.

A genus of palms, with gracefully recurved leaves, including some of the most beautiful for decoration. The Kentias, taking all in all, are the best and most popular for house decoration.

	Each.
Balmoreana. Very fine, graceful habit	$1 00
Canterburyana. A very stately palm	1 00
Fosteriana. Like Balmoreana, having all its fine qualities	1 00
MacArthurii. An elegant species from New Guinea.	2 50

PHOENIX.

A genus of palms, including the Date Palm. The leaves are pinnate, spreading and recurved; very useful for decorative purposes, being very hardy.

	Each.
Canariensis. Long, upright fronds, light green	2 00
Reclinata. Leaves pinnate and spreading	1 00
Rupicola. The handsomest species of the genus	2 50

Chamædorea Pringellii. New, graceful pinnate leaved palms	3 50
Caryota urens (Fish Tail Palm). An easily grown and useful sort	1 00
Cocos Weddelliana. The most elegant and graceful palm	75
Geonoma gracilis. A graceful species with arching habit	2 00
" **Imperialis.** A very fine variety, strong grower	2 00
" **princeps.** Elegant form, a desirable variety.	1 00
" **pumila.** A beautiful variety, with graceful fronds	1 00
Latania borbonica. Recurving fan-shaped leaves, useful	50
Licuala grandis. Very beautiful variety, broad, green fronds	2 50
Rhaphis flabelliformis. Has reed-like stems, very hardy	2 50
" **humilis.** Lighter green and finer than former	2 00
Sabal Adansonii. Leaves fan-shaped, almost circular.	2 00
" **glauca.** A fine variety, with bluish tint	2 00
Seaforthia elegans. Quick growing, pinnate-shaped fronds	75
Thrinax elegans. A graceful fan-shaped plant	2 50

FERNS AND SELAGINELLAS.

The Fern is one of the most beautiful foliage plants there is. In the different species their height varies from a few inches to twenty feet. No collection of plants should be without a few representatives of this order, as they harmonize with any class of plants.

	Each.
Adiantum Capillus Veneris imbricatum. (See Novelty portion.)	
" **Bausei.** Elegant large arching fronds	$0 50
" **bellum.** Beautiful, dwarf and compact	50
" **cuneatum.** The best for general use	25
" **Edgworthii.** Fronds, narrow stem covered with down	50
" **Farleyense.** The most beautiful adiantum	1 00
" **gracillimum.** Very fine and beautiful	50
" **princeps.** Arching fronds, very graceful	75
" **pubescens.** A beautiful growing variety	25
" **trapeziforme.** Large, elegant fronds	75
" **Williamsii.** The golden Maiden-Hair	75
Alsophila australis (Tree Fern). Long fronds	3 50
Asplenium Bulbiferum. A beautiful dense fern	50
Davallia tenuifolia stricta. Dwarf growing habit	25
" **Fijiensis plumosa.** Lacy and arching fronds	1 50
Dicksonia antarctica (Tree Fern). The grandest of this type	2 50
Didimochlæna lunulata. A very beautiful variety	75
Gymnogramma Peruviana argyrophylla (Silver Fern)	1 50
" **chrysophylla** (Gold Fern). Very fine	50
Lomaria gibba. A dwarf growing tree fern	1 00
Lastrea cristata variegata. Fine fern, yellow variegation	35
Microlepia hirta cristata. Graceful crested fronds	50
Nephrodium molie cristatum. Fine crested variety	1 50
Neprolepsis exaltata. Long and upright fronds	50
" **davalloides furcans.** Long light green fronds	1 00
" **rufescens tripinnatifida.** Fine, long upright fronds	1 00
Onychium Japonicum. A fine fern for vases	25
Platycerium alcicorne (Stag-Horn Fern). Easily grown.	1 00
" **Æthiopicum.** A fine form of this fern	5 00
" **grande.** Rare and beautiful. (Price on application.)	
Polystichum setosum. Fine spreading habit	25
Polypodium aureum. Well suited for rockwork	35
Pteris argyrea. Fronds marked with white	50
" **cretica albo-lineata.** Fine for table decoration.	25
" **longifolia.** Oblong lanceolate fronds	25
" **nobilis.** Broad crested fronds, dwarf	75
" **serrulata** (Spider Fern). Long bipinnate fronds	25
" **Smithii.** A beautiful crested variety	1 50
" **Victoria.** Centre of frond silvery white	25
Scolopendrium vulgare (Hart's Tongue). Hardy	25
Selaginella Africana. A tall, erect variety	25
" **Brownii.** Very dwarf, extra fine	25
" **cæsia.** A pretty trailing variety	25
" " **arborea.** The most beautiful	50
" **caulescens.** Strong, erect growing	25
" **cuspidata.** Beautiful, compact	25
" **denticulata** (Florida Moss). Vigorous	25
" " **aurea.** A yellow variety	25
" **flabellata.** A stove species, bright green.	25
" **gracilis.** Very elegant habit	50
" **Martensii variegata.** Very decorative dwarf	25
" **Pitcheriana.** Fronds green, stems red	25
" **umbrosa.** A strong growing variety	25

HARDY HERBACEOUS PLANTS.

These are the old-time favorites found in every old-fashioned garden—plants that have been neglected for a number of years, but which of late are receiving again the proper recognition due them on account of their many good qualities.

In the first place, they are inexpensive plants, not only in their original cost, but considering that when once planted they grow and increase from year to year, while the cost of maintenance is very slight.

With a good assortment of Hardy Perennials a continuous show of flowers can be kept from the early spring until the frost cuts down all vegetation. With a judicious selection of these plants, not only can flower beds and border be made attractive, but when proper kinds are chosen the ponds and marshes can be turned into an admiring object. Barren rocks and sand hills alike can be made beautiful, while, if planted in an informal, careless way, the pleasing effect of a wild garden is produced.

CULTURE.—The best time for planting Hardy Herbaceous Plants is from March to May, and from September to November. They require good, rich, loam to grow them to perfection, while if the soil is perfectly drained, no protection is needed in the winter, with the exception of a slight cover to prevent the sudden thawing and freezing.

In the following list, only such varieties are given as I have found from long experience to be of real merit. To save my customers trouble, I have added numerous collections of my own selection for different purposes, and which I strongly recommend.

	Each.
Achillea millefolia rubra. Pretty rose colored flowers	$0 20
" **serrata plena.** "The Pearl." Pure white..	15
" **tomentosa.** Fine for rockwork, yellow.....	20
Agrostemma coronaria (Rose Campion). Pink flowers.	20
Ajuga Genevensis. Suitable for rockwork.....	15
" **reptans.** Blue flowers, compact grower.....	15
" " **variegata.** A variegated form, fine...	25
Althæa rosea (Hollyhock). Single, extra fine varieties	20
" " **fine double varieties.** All colors.....	25
Alyssum saxatile compactum. Yellow flowers, early...	15
Anemone Japonica. Flowers, beautiful rose.....	20
" " **alba.** A white form of the above.	20
" " **rosea.** A beautiful pink variety..	25
" **Pennsylvanica.** Pretty white flowers.....	15
" **sylvestris.** Pure satiny, white flowers.....	25
Aquilegia Canadensis. Scarlet and yellow.....	15
" **chrysantha.** Bright primrose yellow.....	20
" **hybrids finest assorted.** The very best varieties.....	20
" **vulgaris alba.** White flowers, useful.....	15
Arabis albida (Rock Cress). Fine rock plant.....	15
Armeria maritima (Sea Pink). Pretty rose flowers...	20
" **cephalotes.** A very beautiful variety.....	25
" **plantaginea.** Broad foliage, rose flowers....	25
Artemisia Abrotanum (Old Man). Shrubby.....	20
" **Ludoviciana.** A trailing species, silvery foliage.....	15
" **pontica.** Well adapted for carpet bedding.	10
Asclepias tuberosa (Butterfly Weed). Orange red flowers.....	20
Aster Nova Angliae. Purple with orange centre.....	15
" **Many varieties for wild gardens.** The best sorts only.....	10

Each.

Campanula (Harebell) Carpatica. Bluebell-shaped flowers $0 20
" **grandiflora.** Large, deep slate blue..... 20
" **persicifolia.** Flowers pale blue, useful.... 15
" " **alba.** A white variety..... 20
" **pyramidalis.** An effective plant..... 20
" **Medium** (Caterbury Bell). Choice, mixed. 20
Cassia Marylandica (Senna). Yellow flower..... 25
Clematis Davidiana. Erect habit, blue flowers..... 25
" **Stans.** Similar to above, flowers white..... 25
Clematis. Other varieties, see Vines.
Convallaria majalis (Lily of the Valley). Clumps, a great favorite..... 25
Coreopsis lanceolata. Bright golden flowers, excellent 15
" **rosea.** Flowers rose color, with yellow disc 15
Crucianella stylosa. Fine rosy flowers..... 20
Delphinium formosum (Larkspur). Rich blue, tinged purple..... 20
" **hybrid** (assorted varieties). Extra fine sorts..... 20
" **Sinense** (assorted varieties). Dwarf, Free flowering..... 15
Dianthus barbatus (Sweet William). Flowers various colors..... 15
" **superbus.** A very handsome variety,..... 20
" **plumarius plenus.** Double, garden, pink, fragrant..... 20
Dicentra eximea. Rose colored flowers..... 20
" **spectabilis** (Bleeding Heart). Flowers heart-shaped 20
Digitalis purpurea (Foxglove). Very ornamental, bright purple..... 15
" **alba.** A white form of the above..... 15
Doronicum plantagineum excelsum. Yellow on long stems..... 25
Eryngium amethystinum. A grand plant for shrubberies 15
Euphorbia corollata (Flowering Spurge). Fine for cutting..... 20
Funkia cordata (Day Lily). Leaves ovate, flowers white..... 20
" **grandiflora.** Flowers pure white..... 20
" **lanceolata.** Narrow leaves, white flowers.... 15
" **undulata variegata.** Beautiful variegated leaves..... 20
Gaillardia grandiflora hybrida (Blanket Flower). Flowers all summer..... 20
" " **maxima.** A grand, yellow variety..... 25
Glechoma hederacea variegata. Trailing variegated plant..... 15
Gypsophila paniculata (Baby's Breath). Small white flowers..... 20
Helenium autumnale. Large yellow flowers..... 20
Helianthus multiflorus (Perennial Sunflower). Large yellow flowers..... 25
" " **plenus.** Fine double flowers..... 15
" " **grandiplenus.** Improved form... 20
" " **Soleil d'Or.** Fine, soft yellow.... 25
" **Maximilianus.** Fine, late variety..... 20
" **mollis grandiflorus.** Chrome yellow, single flower..... 25
" **orgyalis.** Drooping leaves, very free..... 25
" **rigidus.** Flowers yellow with dark centre 20
" " **semiplenus.** Semi-double, very fine 25
Heliopsis lævis (Ox Eye). Large yellow flowers..... 15
Helleborus niger (Christmas Rose). Pure white..... 20

Each.

Hemerocallis flava (Day Lily). Golden yellow, sweet scented.....$0 20
" **fulva.** Common variety, tawny yellow 15
" **Dumortierii.** Flowers large, orange yellow..... 20
" **rutilans.** Fine, yellow flowers..... 20
" **Thunbergii.** Fragrant, golden yellow... 20
Hibiscus Californicus (Marsh Mallow). Large, white, purple centre..... 25
" **militaris.** Rose colored flowers..... 25
" **incanus.** Large white flowers..... 30
" **moscheutos.** A beautiful species..... 20
Iberis sempervirens (Evergreen Candytuft). White flowers, early..... 20
Iris Germanica (Fleur de Lis). Assorted, beautiful varieties..... 20
Iris Kæmpferii (Japan Iris). Extra fine, very beautiful. 20
" " **many varieties. See Novelty List.**
" **pseudo-acorus** (Water Flag). Large yellow flowers..... 15
" " **variegata.** Foliage striped with white ... 25
" **Siberica sanguinea.** Large purple flowers..... 15
Lathyrus latifolius (**Everlasting Pea**). Blooms freely... 20
Lepachys pinnata. Flowers fine light yellow..... 20
Liatris scariosa (**Button Snake-root**). Purple flowers.. 20
" **spicata** (**Blazing Star**). Short purple spikes.... 20
Lobelia cardinalis (**Cardinal Flower**). Beautiful scarlet red..... 15
Lychnis Chalcedonica. Flowers, scarlet..... 20
Lysimachia Nummularia (**Moneywort**). Bright yellow flowers..... 15
Monarda didyma.. Bright, red, showy flowers 20
" **fistulosa.** Flowers lilac-purple..... 20
Myosotis palustris semperflorens (**Forget-Me-Not**). Perpetual flowers 15
Œnothera fruticosa (**Evening Primrose**). Yellow flowers. 20
Opuntia Rafinesquii (**Prickly Pear**). Soft, yellow flowers. 20
" **vulgaris.** Fine, yellow flowers..... 20
Pæonies, herbaceous, assorted. In best varieties only. 25
" Pink, extra fine variety..... 35
" Pink and white, very beautiful..... 35
" Red, beautiful color..... 35
" White, very fine..... 35
" Extra large clumps, 60c. to $1.00 each.
Papaver, in many varieties. See Novelty List.
" **Alpinum** (**Poppy**). Small, reddish flowers.... 20
" **bracteatum.** Blood-red flowers..... 20
" **involucratum.** Very fine, large-flowered 20
" **Orientale.** The finest perennial Poppies.... 20
" **nudicaule.** Excellent for cutting..... 15
Pentstemon barbatus. Deep, scarlet flowers..... 20
" **diffusus.** Blooming nearly all summer .. 20
" **Digitalis.** Tall, white flowered..... 20
Phlox amœna. Favorite border plants..... 15
" **Carolina.** Reddish purple flowers..... 15
" **reptans** Creeping variety, violet flowers..... 15
" **stellaria.** White flowers pink eyes... 25
" **subulata** (**Moss Pink**). Very dwarf, early..... 15
" " **alba.** A beautiful white form..... 15
" **paniculata, in assorted varieties.** The very finest sorts..... 15
" " **in many varieties. See Novelty List.**
" **"The Pearl."** Flowers, pure white, the finest..... 20
Polemonium cœruleum (**Jacob's Ladder.**) Blue flowers. 20
" " **album.** White variety of above..... 25
" **reptans.** Dense clumps of blue flowers.. 15

	Each.
Polygonum cuspidatum crispulum. Feathery white flowers	$0 35
" **Sachalinense.** Handsome bushy plant	30
Pyrethrum roseum, in assorted varieties	25
" " **in many varieties. See Novelty List.**	
" **uliginosum (The Giant Daisy).** White flowers, in fall	20
Rudbeckia maxima (Cone-flower). Large yellow flowers	25
" **fulgida.** Orange yellow, disc dark purple.	20
" **speciosa.** Yellow, dark purple disc	20
" **subtomentosa.** Fine for borders	20
Salvia pratensis (Sage). A blue flowering plant	20
Sedum Fabarium (Stone Crop). Rosy pink flowers	20
" **Spectabile.** One of the best border plants	20
Silphium perfoliatum (Cup Plant). Tall plant	25
Solidago (Golden Rod), many varieties for wild gardens	15
Spiræa aruncus (Meadow Sweet). White long spikes	25
" **astilboides.** Flowers white, graceful	25
" **filipendula.** Flowers white and rose	20
" " **plena.** White double flowers	25
" **Japonica.** Pure white flowers	15
" " **grandiflora.** Larger and closer flowers	25
" **palmata.** Brilliant crimson flowers	25
" **ulmaria plena.** Double white flowers	25
" " **variegata.** Variegated foliage	25
Statice latifolia. Blue flowers on large panicles	25
Thermopsis Caroliniana. Yellow flowers, early	25
Tunica saxifraga. Small pink flowers	20
Verbascum Phœniceum. Red, white and violet flowers	20
Veronica longifolia subsessilis. Deep rich blue	25
" **rupestris.** Dark blue flowers	20
" **spicata.** Bright blue flowers	20
" **Virginica.** Tall spikes of white flowers	20
Vinca minor (Periwinkle). Fine for growing under trees	10
" " **fl. pl.** Double flowers, green foliage	15
" " **fol. var.** Foliage, variegated, handsome.	20
Yucca filamentosa. Fine spikes of white flowers	35

Do not be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*

W. A. MANDA

AT THE

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.

SPECIAL COLLECTIONS.

With my life-long experience in Hardy Perennials, I will be pleased to make up collections suitable for any purpose, at the following reduced prices :

MY OWN SELECTION, ONE OF EACH.

	Collection of 12.	Collection of 25.	Collection of 100.
For shady situations	$1 50	$3 00	$12 00
For sunny situations	1 50	3 00	12 00
For borders	1 50	3 00	12 00
For rockwork	1 50	3 00	12 00
For wild gardens	1 25	2 50	10 00
For edging	1 25	2 50	
For shrubberies	1 75	3 50	14 00
For covering rocks and ledges	1 50	3 00	
For dry grounds	1 50	3 00	
For wet grounds	1 75	3 50	
For marshy grounds	1 75	3 50	
For sandy grounds	1 50	3 00	
For clay grounds	1 50	3 00	
For spring flowering	1 50	3 00	
For summer flowering	1 50	3 00	
For autumn flowering	1 75	3 50	
Low-growing plants	1 25	2 50	10 00
Tall-growing plants	1 75	3 50	
Plants of medium height	1 50	3 00	12 00
Plants with showy foliage	1 75	3 50	
Plants for cut flower purposes	1 50	3 00	12 00
Plants with white flowers	1 75	3 50	
Plants with red flowers	1 75	3 50	
Plants with yellow flowers	1 75	3 50	
Plants with blue or purple flowers	1 75	3 50	
Collection of Hardy Ferns	2 00	4 00	
Collection of Hardy Ornamental Grasses	2 50	5 00	
Collection of Hardy Aquatics	3 50	7 00	
Collection of Hardy Orchids	3 50	7 00	
Collection of Pæonies	4 50	9 00	
Collection of Phloxes	3 50	7 00	
Collection of Irises	3 00	6 00	22 00
Collection of Pyrethrums	3 50	7 00	
Collection of Delphiniums	3 50	7 00	

Correspondence solicited from parties wishing to plant borders, rockwork or wild gardens with Hardy Perennials.

Intending purchasers of large quantities of Ornamental Trees, Shrubs and Vines, or Fruit Trees, Shrubs and Vines, will do well to correspond with me, and my prices for reliable goods, and advice what and how to plant. You will not only save money by contracting with me for your planting, or anything in the Landscape Department, but you will have efficient work done, the result of years' hard study, close observation, and large practical experience. Please read my remarks on Landscape Gardening.

Plant Hardy Plants, Trees, Shrubs or Vines, and they will increase yearly in size and beauty. Once planted they live forever.

ORNAMENTAL TREES.

In this and other climates where great extremes of temperature are experienced, it is necessary to plant only the most hardy varieties of trees. Impressed with the importance of this fact, I have omitted from my list all varieties which are not perfectly hardy.

ACER (MAPLE.)

A genus comprising for the most part handsome, hardy trees and shrubs. The chief characteristics of this beautiful tree is its fine habit as a shade tree and its peculiar, whitish bark. Some of the Japanese varieties are very desirable, being dwarf in habit and having beautiful shaped brilliant foliage, and therefore desirable for lawns.

	Each.
Colchicum rubrum. Tree of medium size and elegant form	$1 00
Dasycarpum. Large, rapid grower, foliage green	50
" **Wierii.** A rapid growing, slender drooping sort	75
Negundo fol. var. One of the finest variegated forms	2 00
Pennsylvanicum. A native species, dwarf habit	75
Platanoides. Large, handsome tree, shining green foliage	75
" **digitatum foliis aureo-marginatum.** New leaves, gold margined	1 00
" **dissectum.** A compact growing sort, with fine foliage	1 00
" **laciniatum.** Rare, deep-lobed and sharp-pointed leaves	1 00
" **Reitenbachi.** Fine variety, dark-purple leaves	1 00
" **Schwedlerii.** Young shoots, bright purplish and crimson color	1 00
Polymorphum (Japan Maple). Makes fine, isolated specimen	1 00
" **atropurpureum.** Ornamental, shrubby foliage, dark purple	2 00
" **dissectum atropurpureum.** Dwarf and weeping, very finely divided leaves.	2 00
Saccharinum. The well-known sugar maple	50
Spicatum. A very attractive native species of dwarf growth	75

ÆSCULUS (HORSE CHESTNUT).

Trees of elegant habit, magnificent foliage and fine large spikes of flowers in May and June, well adapted for lawns or parks.

	Each.
Glabra. Forms a large-sized tree, flowers yellow	$0 50
Hippocastanum. Makes a beautiful tree, white	50
" **fl. pl.** Double red variety	1 00
" **alba fl. pl.** Double white variety	1 00

ALNUS (ALDER).

In the spring they are covered with cone-shaped catkins, giving it a striking appearance. They do best planted in a damp situation.

	Each.
Incana laciniata. A distinct, handsome tree	$0 75

AMELANCHIER (MESPILUS).

Hardy, deciduous shrubs and small trees, producing racemes of beautiful, white flowers.

		Each.
Alpina.	A beautiful, dwarf variety	$0 50
Botryapium.	An American species, known as June berry	50

BETULA (BIRCH).

Ornamental deciduous trees or shrubs, well adapted for lawns or parks. Their graceful drooping branches and striking white bark makes them favorites everywhere.

Some of the varieties are among the hardiest trees in existence.

		Each.
Alba.	A graceful tree with silvery bark	$0 50
" **Atropurpurea.**	Vigorous habit, purple foliage.	1 00
" **Fastigata.**	Elegant pyramidal, habit ornamental	1 00
" **Pendula Laciniata.**	One of the finest weeping trees	1 00
Papyracea.	Brilliant white bark, native of America	50

CASTANEA (CHESTNUT).

Too well known to need description.

		Each.
Americana.	The native variety Chestnut	$0 50
Japonica.	Forms a handsome lawn tree	1 00
Vesca Fol. Var.	Variegated foliage, fine	1 00

CATALPA.

Very effective tropical looking lawn trees. The large, white flowers borne in July, when few trees are in bloom, make them great favorites.

		Each.
Bungei.	A dwarf species from China	$1 00
Bignonioides.	Native of the Southern States	50
" **Aurea Variegata.**	Leaves in spring, yellow, turning to green	75
" **Purpurea.**	Foliage large, dark purple	1 00
" **Speciosa.**	A fine and hardy variety	50

CERASUS (CHERRY).

A very ornamental variety of trees as single specimens on the lawn. They are unique and handsome, and require only to be better known in order to be extensively planted.

		Each.
Japonica pendula.	One of the finest small headed pendent sorts	$1 50
" **rosea pendula.**	Graceful variety with double rosy flowers	1 50
Sieboldii alba plena.	Fine semi-double white flowers.	50
" **rubra plena.**	Semi-double flowers, white tinged with red	50

CERCIS (JUDAS TREE OR RED BUD).

A very ornamental native tree of medium size, with perfect heart shaped leaves. The tree derives the name

of "Red Bud" from the profusion of delicate reddish flowers which come before the leaves.

	Each.
Japonica. A very fine variety medium size	$1 00
Alba. Beautiful sort, vigorous grower	1 00
Rosea. Planted extensively, a fine variety	1 00

CHIONANTHUS (FRINGE TREE).

A small native shrub or tree of moderate growth, flowers white, appearing in June in great profusion, in long drooping racemes, covering the trees.

	Each.
Virginica. A very beautiful tree for the lawn	$0 75

CLADRASTIS (YELLOW WOOD).

One of the finest American trees. Flowers pea shaped, white, and sweet scented, a general favorite.

	Each.
Tinctora. Rich luxuriant foliage, very fine	$1 00

CORNUS (FLOWERING DOGWOOD).

A native tree of irregular form. The flowers are produced in spring, before the leaves appear, and are very showy. Taken all in all, it is one of the best trees for ornamental planting.

	Each.
Florida. White flowers, a fine form	$1 00
" **flora rubra.** Flowers, tinted with bright red.	1 00
" **pendula.** A variety with graceful drooping branches	2 00

CRATÆGUS (THORN).

One of the most beautiful flowering trees. They are dense and low growing, occupying very little room, and well adapted to beautify small grounds. Their foliage is varied and attractive, and their flowers very showy and often highly perfumed.

	Each.
Lalandii. A very fine variety	$1 00
Oxyacantha candida plena. A good grower, pure white	1 00
" **coccinea flora plena.** Fine habit, double red	1 00
" " " " **Paulii.** Flowers bright carmine red.	1 00

CYTISUS (GOLDEN CHAIN).

A very handsome, yellow flowering tree, with smooth shining foliage. The name "Golden Chain" alludes to the length of its drooping racemes of yellow flowers.

	Each.
Laburnum. A native of Europe, very fine	$0 50

FAGUS (BEECH).

This class is noted for their rich, glossy foliage and elegant habit. As single specimens upon the lawn they exhibit an array of valuable and attractive features not to be found in other trees.

	Each.
Asplenifolia. Foliage very luxuriant and beautiful	$1 50
Ferruginea. One of the finest American trees	50
Sylvatica pendula. A very beautiful, weeping variety	1 50
" **purpurea.** Deep purple foliage, extra fine	1 50
" " **major.** An erect, rapid growing sort	2 00
Tricolor. One of the finest sorts, very beautiful	2 00

FRAXINUS (ASH).

This is a genus that comprises many species and varieties of great beauty and value.

		Each.
Americana.	A well-known native tree	$0 50
Excelsior.	A lofty tree of rapid growth	50
" **Aurea.**	Yellow bark, a conspicuous tree	1 00
" **Pendula.**	One of the finest lawn and arbor trees	1 00

GLEDITSCHIA (HONEY LOCUST).

A rapid growing tree, sometimes used for hedges.

		Each.
Gleditschia Triacanthos.	A rapid growing native tree, very thorny	$0 50
" **Bujoti Pendula.**	An elegant tree with drooping branches	2 00

GYMNOCLADUS (KENTUCKY COFFEE TREE).

A fine native tree, growing rapidly, with rough bark, stiff, blunt shoots and feathery foliage.

		Each.
Canadensis.	Fine quick growing tree	$0 75

JUGLANS (WALNUT).

The well-known walnut tree of our forests. Some of the varieties have very beautiful foliage, hardy and vigorous. Most valuable timber tree.

		Each.
Cinerea (Butternut).	Foliage resembling that of the Ailanthus	$0 50
Nigra (Black Walnut).	Majestic habit, grows to a great size	50
Regia.	A native of Persia, of medium growth	50

KOELREUTERIA.

A hardy, small, roundheaded tree from China, particularly valuable for its brilliant golden blossoms, which are produced so late in the season that few, if any, trees are in bloom.

		Each.
Paniculata.	Fine lobed leaves and showy yellow flowers	$1 00

LIQUIDAMBAR (SWEET GUM).

One of the finest American trees. Of medium size and moderate growth. Leaves resemble somewhat those of the maple. Form roundheaded or tapering. very handsome in the autumn.

		Each.
Styraciflua.	Beautiful in all stages of growth	$1 00

LIRIODENDRON (TULIP TREE).

A magnificent native tree, of tall pyramidal habit, with glossy leaves of a light green color, and beautiful tulip-like flowers. Rather difficult to transplant unless of small size.

		Each.
Tulipifera.	One of the finest shaped lawn trees	$0 75
" **fol. variegatis.**	A very fine variegated form	1 00

MACLURA (OSAGE ORANGE).

A native tree of medium size and spreading habit. The fruit resembles an orange.

		Each.
Aurantiaca.	Extensively used for hedges	$0 50

MAGNOLIA.

Their superior stateliness of form and splendor of growth, the size and richness of their foliage, and lavish yield of fragrant flowers, all tend to place them in the foremost rank among hardy trees and shrubs. They may be planted effectively in borders, and look fine when planted singly on the lawn.

		Each.
Acuminata.	A beautiful pyramidal growing tree	$0 50
Conspicua.	Shrub like in growth. Flowers large	1 50
Glauca.	A small tree, indigenous to New Jersey	1 00
Gracilis.	One of the finest forms of dwarf varieties	1 00
Kobus.	Flowers blush-white and fragrant, bushy growth	1 00
Lennei.	Foliage large, flowers dark purple	2 00
Macrophylla.	A fine species of medium size, very long leaves	2 00
Norbertiana.	Vigorous and of regular outline	2 00
Obovata.	A dwarf species with showy purple flower	1 00
Purpurea.	An excellent sort, very showy	2 00
Soulangeana.	Flowers white and purple, one of the best	2 00
Speciosa.	One of the most valuable varieties	1 00
Stellata.	Dwarf species, with pure white semi-double flowers	2 00
Tripetela.	A hardy, medium sized tree, enormous leaves	1 00
Yulan.	A very distinct and showy variety	2 00

MORUS (MULBERRY).

The mulberry is not only valuable on account of its fruit, which is highly esteemed by some, but its habit of growth renders it a desirable shade tree. It is necessary also for the successful growth of the silkworm.

		Each.
Alba.	Fruit small, nearly white. Tree of rapid growth	$0 50
Downingi.	Vigorous and productive. Desirable shade tree	50

PAULOWNIA.

A magnificent, tropical looking tree, from Japan, of extremely rapid growth and surpassing all others in the size of its leaves.

		Each.
Imperialis.	Blossoms trumpet shaped	$0 75

PAVIA (SMOOTH FRUITED HORSE CHESTNUT).

A fine, native tree, having pale-green, downy leaves. The tree, when it acquires age, forms a globular head twenty to forty feet in height.

		Each.
Flava.	A very vigorous sort	$1 00
Rubra.	Small sized tree, with brownish-red flowers	1 00

PERSICA (PEACH).

The rare beauty of the Flowering Peach, with its great mass of bloom, renders it one of the most beautiful spring flowering trees.

	Each.
Vulgaris fl. alba plena. Very ornamental, perfectly hardy	$0 50
" " **rosea plena.** Flowers, double, pale rose color	50

PHELLODENDRON (CHINESE CORK TREE).

A hardy, large growing tree, with elegant, pinnate foliage, three to four feet long. In its general appearance and rapidity of growth it resembles the Ailanthus.

	Each.
Amurense. A hardy tree from Manchooria	$1 00

PLATANUS (PLANE TREE).

A tree of the largest size, growing rapidly, very ornamental and entirely hardy. One of the best street or avenue trees.

	Each.
Occidentalis. Leaves heart shaped at base, the short lobes sharp pointed	$0 50
Orientalis. Similar to the above, but leaves more deeply cut	50

POPULUS (POPLAR).

One of the finest hardy deciduous trees. The different varieties are used very extensively, on account of their rapid growth.

	Each.
Alba. Very rapid grower, flourishes everywhere	$0 50
Balsamifera. A native species with large glossy foliage	50
Carolina. Pyramidal in form and rapid in growth.	50

PRUNUS (PLUM AND CHERRY).

A very handsome section of flowering trees and shrubs. They rank among the finest for small grounds, and are very effective planted in borders.

	Each.
Padus. Of rapid growth producing long bunches of pure white flowers	$0 50
Pissardii. One of the finest red foliage trees in cultivation	50

PYRUS (CRAB AND MOUNTAIN ASH).

Special attention should be given the double flowering crabs. Their beauty and value seem to have been overlooked and are therefore not appreciated.

	Each.
Malus Halleana. Dwarf, compact grower, flowers, double dark rose	$1 00
" **spectabilis fl. albo pleno.** Double, white, fragrant flowers	50
" " **roseo.** The finest variety, flowers rose, double.	50

QUERCUS (OAK).

One of our most picturesque trees. The species and varieties are numerous, and the majority are adapted to ornament large grounds where they have plenty of room.

		Each
Alba.	One of the finest American trees	$0 50
Coccinea.	A native tree of rapid growth, pyramidal outline	1 00
Macrocarpa.	The largest and most beautiful leaved sort	75
Palustris.	Assuming a drooping form when it acquires age	1 00
Phellos.	Compact grower, small, willow-like leaves.	1 50
Robur.	The Royal Oak of England	75

ROBINIA (LOCUST OR ACACIA).

An elegant genus of deciduous hardy trees and shrubs, producing beautiful racemes of lovely flowers resembling the Wistaria.

		Each.
Bessoniana.	Strong grower, without thorns	$1 00
Decaisneana.	A fine sort, with delicate pink flowers.	1 00
Hispida rosea.	Beautiful rose colored flowers, dwarf.	1 00
Semperflorens.	A beautiful variety	1 00

SALIX (WILLOW).

This is a most useful and ornamental class of trees of rapid growth and hardy, adapted to a great variety of soils and easily transplanted. They can be used by planters to great advantage.

		Each.
Babylonica.	Our common and well-known weeping willow	$0 50
Caprea pendula.	Vigorous, one of the best	50
Laurifolia.	Ornamental, with large, shining leaves.	50
Pendula tricolor.	Distinct tri-colored foliage	75
" **nigra.**	A dark form of the drooping variety	50

SOPHORA.

A beautiful tree of medium size and moderate growth. They are especially adapted for small grounds.

		Each.
Japonica.	A beautiful variety, white flowers	$1 00

SORBUS (MOUNTAIN ASH).

A beautiful genus with elegant foliage. It produces large clusters of red berries, which give it an attractive appearance wherever planted.

		Each.
Pendula.	The weeping mountain ash	$2 00
Nana.	A very dwarf variety	1 00

TILIA (LINDEN OR LIME TREE).

The lindens are all beautiful and merit more notice than they receive. When planted alone, they make graceful trees with a perfect outline.

		Each.
Americana.	Large leaved, vigorous grower	$0 50
Argentea.	One of the finest ornamental trees	1 00
Europæa.	Large leaves and fragrant flowers	50
" **laciniata.**	Medium sized, fine habit	1 00

ULMUS (ELM).

One of the finest trees for street, lawn and park plant. It is too well known to describe.

		Each.
Montana Camperdown pendula.	One of the most picturesque drooping trees	$1 50

Special prices will be cheerfully given for large quantity or kinds not in this catalogue.

ORNAMENTAL SHRUBS.

Under this heading I have only listed the very best varieties of the different species, so that purchasers will have no difficulty in securing the finest grade of this class of plants.

I have a number of other varieties not listed, and can furnish same in any quantity.

DECIDUOUS SHRUBS.

ARALIA (ANGELICA TREE).

A beautiful class of small trees or shrubs, useful to give a tropical appearance to gardens,

		Each.
Spinosa.	A magnificent variety with large leaves.	$0 75

AZALEA.

A grand family of shrubby plants. Taken all in all, it is one of the most popular flowering shrubs.

		Each.
Mollis.	A beautiful plant with rich, colored flowers	$1 50

BERBERIS (BARBERRY).

A most interesting family of shrubs. Rich in variety of leaf, flower and habit. Very ornamental in autumn and winter.

		Each.
Fortunei.	Of dwarf habit; small, green foliage	$0 50
Thunbergii.	Beautiful red foliage in autumn	50

CALYCANTHUS (SWEET-SCENTED SHRUB).

This is one of the most desirable shrubs. The foliage is rich, flowers of a rare chocolate color, having a peculiar, agreeable odor.

		Each.
Floridus.	A native species, flowers very fragrant	$0 35

CLETHRA (SWEET PEPPER BUSH).

A very beautiful class of compact growing shrubs, producing beautiful spikes of flowers.

		Each.
Alnifolia.	Pure white, fragrant flowers	$0 50

COLUTEA (BLADDER SENNA).

A large shrub, with small, delicate foliage, producing yellow flowers in June, followed by reddish pods or bladders.

		Each.
Arborescens.	A native of south Europe	$0 35
Altageana.	Very vigorous, a beautiful sort	75

CORNUS (DOGWOOD).

Valuable shrubs when planted singly, in groups, or in masses, some distinguished by their elegantly variegated foliage, others by their bright colored bark.

		Each.
Mascula.	Produces clusters of bright, yellow flowers	$0 35
Paniculata.	Smooth, ash-colored bark	35

		Each.
Sanguinea.	Bark blood red in winter	$0 35
Spaethii.	One of the finest of recently introduced shrubs	75
Stolonifera.	A native species, with smooth, slender branches	35

COTONEASTER.

A very handsome lawn shrub with evergreen foliage.

		Each.
Microphylla.	A vigorous growing variety	$0 50
Nummularia.	A very beautiful tree for the lawn	50

CYDONIA (QUINCE).

The following varieties of the Japan quince rank among our choicest shrubs. Although of straggling growth, they bear the knife well, and with proper pruning may be grown in any form.

		Each.
Japonica.	One of the best hardy shrubs	$0 35
"	**atrosanguinea, fl. pl.** Semi-double scarlet flowers	35
"	**Maulei.** Beautiful orange colored flowers	50
"	**semi-alba pleno.** Flowers nearly white, semi-double	35

DAPHNE.

This elegant shrub is one of the first to flower in the spring. This, combined with its delightful fragrance, makes it a general favorite.

		Each
Mezereum.	Flowers bright pink, very fragrant	$0 50
"	**alba.** A white variety, resembling the above	50

DEUTZIA.

This valuable genus is native of Japan. Their hardihood, fine habit, luxuriant foliage, and profusion of attractive flowers render them the most beautiful and popular shrubs.

		Each.
Crenata fl. pleno.	Flowers double, white, tinged with rose	$0 35
"	" **alba pleno.** Flowers pure white	35
"	**Pride of Rochester.** Vigorous, very large, double white flowers	35
Gracilis.	The first of the family to flower	35

EXOCHORDA.

A fine shrub, producing its large, white flowers in May. Difficult to propagate and always scarce. One of the finest shrubs of its season.

		Each.
Grandiflora.	Flowers large and white	$1 00

FORSYTHIA (GOLDEN BELL).

These are pretty shrubs of medium size. The flowers are drooping, yellow, and appear very early in the spring, before the leaves.

		Each.
Fortunei.	Upright growth, bright yellow flowers	$0 35
Intermedia.	A very hardy variety, yellow flowered.	35
Suspensa.	A drooping form of Fortunei	35
Viridissima.	Leaves and bark deep green	35

HALESIA (SILVER BELL).

A beautiful, large shrub, with pretty, white, bell-shaped flowers in May. It is a very desirable shrub.

		Each.
Tetraptera.	Distinguished by its four-winged fruit.	$1 00

HIBISCUS (ROSE OF SHARON).

Very fine free growing, flowering shrubs of the easiest cultivation. Very desirable on account of blooming in August and September, when scarcely any other tree or shrub is in bloom.

		Each.
In 12 best varieties		$0 50

Including only the very best sorts, which I have selected, and will be sure to give satisfaction.

HIPPOPHÆ.

A hardy deciduous shrub. It is of easy culture in common garden soil, and is especially useful for growing near the sea coast.

		Each.
Salicifolia.	Graceful habit, bright yellow flowers.	$0 50

HYDRANGEA.

Without exception one of the grandest flowering shrubs. They are so well known that they need no introduction.

		Each.
Japonica Hortensia.	Rose colored flowers	$0 35
" **Otaksa.**	Produces immense trusses of flowers	50
" **Thomas Hogg.**	Flowers pure white	35
Paniculata grandiflora.	One of the finest hardy shrubs	50
Quercifolia,	The oak-leaved type, rare	50

HYPERICUM (ST. JOHN'S WORT).

A very beautiful dwarf shrub. Flowering from July to October, when few trees or shrubs are in flower, makes it very desirable. Flowers very large golden yellow.

		Each.
Moserianum (new).	The finest form of this family.	$0 50

KERRIA.

A beautiful green branched shrub, suitable for small grounds, and making a very handsome shrubbery plant.

		Each.
Japonica.	Flowers yellow, vigorous grower.	$0 35
" **flore pleno.**	Of medium size, double yellow flowers.	35
" **argentea variegata.**	Dwarf sort, green foliage edged with white	50

LIGURSTUM (PRIVET).

The Privet, in all its varieties, is a very ornamental plant. It is almost an evergreen, and grows freely in all soils. An excellent hedge plant.

		Each.
Laurifolium.	Very large leaves, fine	$0 25
Vulgare buxifolium.	Very erect habit, one of the best.	25
Ibotum.	The best variety of this family, evergreen.	35

PAVIA.

A beautiful spreading shrub, producing numerous large, showy spikes of white flowers late in June.

		Each.
Macrostachya.	A fine shrub for the lawn	$1 00

PÆONIA (FREE PÆONY).

This is a magnificent plant. The beautiful flowers, ranging in all the shades from pure white to the darkest red, make it a popular favorite.

		Each.
Moutan.	The Tree Pæonia, soft pink color	$0 75
Elizabeth.	Flowers rich, deep pink	1 50

PHILADELPHUS (MOCK ORANGE).

An invaluable shrub. Of vigorous habit, very hardy, with large, handsome foliage and beautiful white flowers, produced in the greatest profusion at the blossoming season.

		Each.
Coronarius.	Pure white, highly scented flowers	$0 35
"	**fl. pleno.** Partially double fragrant flowers	35
Gordonianus.	A vigorous grower and profuse bloomer	35
Grandiflorus.	Has very showy, large flowers	35
Microphyllus.	Dwarf habit and slender growth	75

PRUNUS (PLUM).

Under this heading are embraced some of the most charming early spring flowering shrubs. At the flowering season each tree appears like an immense bouquet.

		Each.
Pissardi.	One of the finest foliage plants, rich, dark purple	$0 50
Triloba.	Flowers double, of a delicate pink, very early	50

PTELEA (HOP TREE).

A large shrub or small tree, of rapid growth and robust habit; a very desirable plant.

		Each.
Trifoliata.	Flowers in June, followed by showy fruit	$0 50

RHUS (SUMACH).

An interesting and very beautiful shrub, excellent for planting in borders, or where a tropical effect is wanted.

		Each.
Cotinus.	Producing curious fringe or hair-like flowers	$0 50
Glabra laciniata.	A very striking plant of moderate size	75
Sanguinea.	A very beautiful and vigorous variety	1 00

RUBUS (BRAMBLE).

These are rather coarse-looking shrubs, but can often be employed to great advantage, especially in the wild garden, to produce certain effects.

		Each.
Fl. pleno albo.	Double white, flowering sort	$0 35
" " **rosea.**	Flowers a beautiful rose color	35
" " **lacineata.**	A most elegant variety	35

SAMBUCUS (ELDER).

These are showy, large shrubs, quite ornamental in flower, fruit and foliage. The plants should be kept in good shape by the constant use of the pruning knife.

	Each.
Nigra aurea. Has golden-yellow foliage	$0 50
" **laciniata.** Leaves elegantly divided	50
" **variegata.** Vigorous foliage, mottled with yellow and white	35
Racemosa plumosa. Leaves beautifully cut and drooping	75

SPIRÆA (MEADOW-SWEET).

The Spiræas are all elegant, low shrubs of the easiest culture, and their blooming extends over a period of three months.

	Each.
Ariæfolia. Habit, dense and bushy	$0 50
Billardi. Rose-colored, blooms nearly all summer	35
Blumei. Deep rose-colored flowers	35
Callosa. Grows freely, and flowers nearly all summer	35
" **alba.** White flowering, dwarf and bushy	35
" **superba.** Of dwarf habit, greenish-white flowers	35
Douglasi. Flowers, beautiful, deep rose color	35
Fontenaysii. Vigorous and free bloomer	35
Opulifolia aurea. Golden tinted, yellow foliage	35
Prunifolia fl. pleno. Flowers like white daisies	35
Thunbergii. Dwarf habit, and rounded, graceful form	35
Van Houttei. The finest of all sorts	35
Reevesii. A very fine variety, vigorous	35
" **fl. pl.** A double flowering variety of the above	35
In 20 Varieties. The very best only, my selection	35

STAPHYLEA (BLADDER NUT).

One of the earliest flowering shrubs, flowers very fragrant. It is a desirable shrub for small grounds.

	Each.
Colchica. Fragrant, white flowers	$0 50

SYMPHORICARPUS (SNOWBERRY).

A well known shrub, producing beautiful small flowers during summer; after flowering they are covered with berries, which hang on nearly all winter.

	Each.
Vulgaris variegatus. A pretty variety with variegated leaves	$0 35

SYRINGA (LILAC).

Well known beautiful shrubs, indispensable in every collection. They are so well known that they need no introduction.

	Each.
Josikæa. Vigorous grower, purple flowers	$0 35
Persica. Bright, purple flowers	50
" **alba.** Delicate, white, fragrant flowers	1 00
Vulgaris. Bluish purple flowers	35
" **alba.** Cream colored flowers	50
" **Chas. X.** Reddish purple flowers	50
" **Rouge de Marley.** A reddish flowered sort	50

TAMARIX.

These are very beautiful shrubs, with small leaves like the Juniper, and delicate, small flowers in spikes.

		Each.
Japonica	An extra fine variety for seasides	$0 35
Germanica.	Extra strong and robust	35

VIBURNUM (ARROWROOT).

A very popular shrub, generally known as the snowball. Indispensable for shrubbery planting or singly on the lawn.

		Each.
Opulus.	Ornamental and useful	$0 35
" **sterilis.**	Having clusters of pure white flowers	35
Plicatum.	A very handsome species, white flowers.	75
Tomentosum.	A beautiful hardy sort	75

WEIGELIA.

Valuable shrub of erect habit while young, but grows spreading and drooping with age. Flowers trumpet-shaped and all shades of color from white to red.

		Each.
Amabilis.	Attractive, light pink flowers	$0 50
Candida.	Flowers pure white, strong grower	50
Levallei.	Continues in bloom a long time	75
Nana variegata.	Leaves variegated, very fine	75
" **rosea.**	One of the best and most popular	50

EVERGREEN SHRUBS.

Fine class of plants for lawn or park decoration. The ones listed below I can highly recommend, as they have been all tested and proved satisfactory.

ANDROMEDA.

One of the finest evergreen shrubs, excellent for planting in masses or for small grounds.

		Each.
Catesbæi.	Foliage, beautiful crimson, during winter	$0 75
Japonica.	Flowers in terminal spikes	1 00

AZALEA.

Dwarf, bushy shrub, covered entirely in spring with masses of flowers, one of the most valuable of evergreen shrubs.

		Each.
Amœna.	Small flowers, purplish red, early	$1 00

BAMBUSA (BAMBOO).

A very desirable shrub for shady or moist situations, producing wreaths of dark green foliage

		Each.
Matake.	A graceful evergreen, broad leaves	$0 35
Nigra.	Smaller foliage than the above	50

BUXUS (BOX).

Beautiful lawn shrubs or small trees well adapted for small places. Can be trained in any shape by shearing. Best results will be obtained if planted in a sheltered position.

		Each.
Sempervirens.	Handsome shrub, deep green foliage	$0 35
	argentea (Silver-Striped-leaved Box)	35
	aurea (Gold-Striped-leaved Box)	35

KALMIA (CALICO BUSH).

Resembling the Rhododendron in habit and producing beautiful trusses of flowers in great profusion, which makes this a very desirable shrub.

	Each.
Latifolia. Flowers pinkish white, borne profusely	$0 75

MAHONIA (ASHBERRY).

A very ornamental shrub, with large, prickly green leaves, turning deep purple in winter. A desirable plant for small grounds.

	Each.
Aquifolia. Pretty yellow flowers in spring	$0 35
Fascicularis. A finer leaved form	50

OSMANTHUS.

A very handsome evergreen shrub, varying considerably in the size and toothing of the leaves.

Illicifolius. Small leaves; resembles the Holly	$0 50

RHODODENDRON.

Without doubt the finest flowering evergreen shrub. The flowers are borne in magnificent trusses at the extremity of the branches, and are all shades of color, from white to crimson. They may be planted effectively in groups or singly. I grow only such varieties as I have found to be perfectly hardy, and can furnish fine plants, well budded, from $2.00 to $5.00 apece, according to size.

RUSCUS.

Very ornamental, dense, upright growing shrubs, with thick, prickly leaves and small flowers; very effective when planted in masses.

Aculeatus. Produces red berries, very beautiful	$0 35
Racemosus (Alexandrian Laurel. Handsome	50

CLIMBING AND TRAILING SHRUBS.

A most useful class of plants for covering trellises, walls, verandas or anything that wants to be hidden.

ACTINIDIA.

A climbing plant from Japan, very floriferous, sometimes covering the whole vine with beautiful flowers.

	Each.
Polygama. Flowers pure white, purple centre	$0 50

AMPELOPSIS.

A grand plant for covering walls or trunks of trees, grows rapidly and is perfectly hardy.

	Each.
Quinquefolia (Virginian creeper). Beautiful crimson in fall	$0 25
Veitchii (Boston Ivy). Clings like an Ivy	25

(ARISTOLOCHIA BIRTHWORT.)

Beautiful creepers or climbers, well adapted for covering trellises, fences, etc. The large heart-shaped green leaves give them a very pleasing effect.

	Each.
Sipho (Dutchman's Pipe). Flowers in May	$0 75
Sempervirens. Prostrate, evergreen variety	60

BIGNONIA (TRUMPET VINE).

A very desirous rapid growing deciduous climber with trumpet shaped flowers. Very hardy and free bloomer.

		Each.
Grandiflora.	Large red trumpets	$0 35

CELASTRUS (STAFF TREE).

A native climbing or twining plant, with fine large leaves, yellow flowers, and clusters of fruit.

		Each.
Scandens.	Easily grown, very handsome	$0 35

CISSUS.

A small leaved, variegated climber, with grape like foliage. An exceedingly pretty plant.

		Each.
Variegata.	Beautiful variegated foliage	$0 35

CLEMATIS (VIRGIN'S BOWER).

As a climber for covering rockwork, verandas, fences, and walls, it has no rival. The finest show of flowers is obtained where it has partial shade, and a liberal supply of water at the roots.

		Each.
Jackmanni.	Best varieties only. Very fine	$0 50
Flammula.	Small white flowers, very fragrant	50
Paniculata.	Profusion of white flowers	50
Virginana.	Flowers freely, rapid grower	35

HEDERA (IVY).

The ivies are evergreens, and frequently suffer from exposure to the sun in winter. For this reason the north side of a wall or building is a better situation than the south.

		Each.
Canariensis (Irish Ivy).	The well known old sort	$0 35

LONICERA (HONEYSUCKLE).

Well known climbers of great beauty. The fragrant flowers are produced in great profusion. One of the most popular vines on account of its quick growth.

		Each.
Belgica.	Blooms all summer, very fragrant	$0 35
Brachypoda aureo reticulata.	Yellow variegated foliage	35
Flava.	Yellow trumpet flowers	35
Halleana.	Almost evergreen, fragrant flowers	35
Japonica.	Very sweet, a well known vine	35
Sempervirens.	Red trumpet flowers	35

MENISPERMUM (MOONSEED).

A pretty native twining, slender branched shrub, with small, yellow flowers and black berries.

		Each.
Canadense.	Easily grown, very handsome	$0 35

PASSIFLORA (PASSION FLOWER).

An excellent climber, bearing flowers in great profusion. Adapted for covering walls, verandas, and in fact anything that it can cling to.

		Each.
Incarnata.	Purplish flowers, very pretty	$0 25

PERIPLOCA (SILK VINE).

A rapid growing, beautiful climber, will climb around a tree or other support to a great height; glossy foliage.

		Each.
Græca.	Purple brown clusters of flowers.....	$0 35

WISTARIA.

This is one of the most beautiful climbing plants we have. It grows very rapidly, and the blooms, which are borne in great profusion, hang in graceful pendulous clusters.

		Each.
Frutescens.	Flowers pale blue, in short clusters....	$0 50
Sinensis.	An elegant variety, very floriferous.....	50
"	**alba.** Flowers, pure white, very fine	1 00

Do not be misled because you see the firm name of PITCHER & MANDA unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it.

You will find the ORIGINAL and ONLY

W. A. MANDA,

. . AT THE . .

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.,

where please address all letters and orders intended for me, as I am not in any way connected with the firm that still uses my name.

SEND ME A TRIAL ORDER.

CONIFERS.

In looking over this list you will find that I have carefully selected the most beautiful and hardy varieties of these trees.

I can supply, in any quantity, a great many more varieties not listed.

ABIES, SPRUCE, FIR AND HEMLOCK.

A grand family of evergreen trees. For lawn or park decoration they are indispensable. They are of regular outline and very hardy, succeeding well in most any situation.

	Each.
Alba (White Spruce). Foliage silvery gray, light colored bark	$0 50
Balsamea (Balsam Fir). Fine, erect, deep green tree.	50
Canadensis (Hemlock Spruce). A fine lawn tree, makes beautiful hedges	50
Douglasii. Large conical form branches spreading.	1 50
Excelsa (Norway Spruce). Extremely hardy, of rapid growth	50
Lassiocarpa. Rare tree, with glaucous blue foliage	
Nordmanniana. Vigorous growth, massive, dark green foliage	1 00
Pectinata. Broad, silvery foliage, spreading branches	1 00
Pinsapo. Fine, rare tree for specimens	1 00

BIOTA.

This class comprises some of the most ornamental of evergreens. They are regular of outline and dense habit, and succeed best when planted in a sheltered position.

	Each.
Aurea. Nearly spherical in outline, yellow tinged foliage	$0 50
Semperaurea. Retaining its golden tint all year	50
Japonica filiformes structa. Fine, bushy shrub	50

JUNIPERUS (JUNIPER).

A grand variety of evergreen trees and shrubs, handsome foliage and generally of compact, upright growth. A grand plant for small grounds, dry, or rocky places.

	Each.
Communis vulgaris. A handsome, compact, small tree,	$0 50
" **Hibernica**. Resembles a pillar of green	75
Prostrata. A trailing species, foliage delicate, dark green	1 50
Sabina. Dwarf and spreading, thrives in the poorest soils	50

Several other varieties.....50c. to $1.00 each.

LARIX (LARCH).

A fine species of trees. As single specimens upon the lawn they exhibit an array of valuable and attractive features not found in many species.

	Each.
Europæa. An elegant growing pyramidal tree	$0 50

PINUS.

A grand family of evergreen trees; some varieties are of moderate growth, while others grow to immense

proportions. They make fine specimens when planted singly in parks or lawns, and succeed well in the poorest soils.

	Each
Austriaca. Remarkably robust, hardy and spreading	$0 50
Mugho. A small, growing, upright pine	1 00
Sylvestris (Scotch Pine or Fir). Very hardy, fine for shelter	50
Strobus. The most ornamental of all our native pines	50

SALISBURIA (MAIDEN HAIR TREE).

A remarkable tree from Japan, combining in its habit characteristics of the conifer, a deciduous tree. It is of medium size and rapid growth.

	Each.
Adiantifolia. Rare, with elegant beautiful fern-like foliage	$1 00

RETINISPORA (JAPANESE CYPRESS).

A beautiful and valuable species from Japan. They are dwarf, compact and bushy growers, and on that acount useful for evergreen bedding or hedging.

	Each.
Plumosa. Very dwarf, with dense slender feathery branchlets	$0 50
" **aurea.** Beautiful gold-tipped foliage	50

TAXUS (YEW).

An ornamental variety of evergreens of compact, upright growth, They are fine for lawns or parks, but should be planted in some sheltered position.

	Each.
Baccata (English Yew). Densely branched, can be trimmed into any shape	$1 00
Pyramidalis. Fine upright growing, hardy form	1 00

TAXODIUM (DECIDUOUS CYRESS).

A most beautiful and stately tree, with small feathery light green foliage.

	Each.
Distichum. A beautiful tree for the lawn	$0 50

THUIOPSIS.

A fine dark green hardy tree, from the Northwestern Territories, of moderate growth, a fine tree for small grounds.

	Each.
Borealis. Dwarf, compact growth, very fine	$1 00

THUJA (WESTERN ARBOR VITÆ).

A grand genus of evergreen trees, very hardy. They are attractive when planted alone in groups or as hedges.

	Each.
Occidentalis Extensively used for hedges	25 to $0 50
Orientalis elegantissima. Golden in summer, red in winter	$2 50

LARGER SPECIMENS OF ANY CONIFERS ON APPLICATION.

FRUITS.

I have taken great care in selecting the varieties in this list, offering only such varieties as I know to be the very best, fine in quality and prolific. Also, plants that will stand the extreme changes of temperature which we have in this climate.

APPLES.

The list below contains only such varieties as have been thoroughly tested and which possess real merit. They do well planted on any good ground, and with little care give very satisfactory results.

	Each.	Doz.
Baldwin. Winter variety, large, deep red, abundant bearer	$0 50	$4 00
Early Harvest. One of the best early apples, rich flavor	25	2 50
Fall Pippin. Very large, rich yellow, an excellent variety	25	2 50
Gravenstein. Pale yellow, striped with red, juicy, fine, late sort	25	2 50
Golden Russet. Fine flavored, small yellowish russet, late	25	2 50
Maiden's Blush. Large, pale yellow, with blush cheek, an early sort.	25	2 50
Monmouth Pippin. Good keeper, juicy, crisp and tender, late	25	2 50
Newtown Pippin. A celebrated American apple, late	50	4 00
Northern Spy. Fine quality, large, good keeper, late	25	2 50
Oldenburg (Duchess of Oldenburg). Rich and juicy, medium	25	2 50
Red Astrachan. Large, red, crisp and juicy, acid flavor, early	25	2 50
Rhode Island Greening. Light green, large, tender and rich, late	25	2 50
Stump. Very prolific, fine flavor, extra juicy	25	2 50
Titovka (Titus Apple). Very hardy and productive, early	50	4 00

CRAB APPLE.

They do well planted on most any good soil. Greatly used for preserving.

	Each.	Doz.
Hyslop's. Large, dark red, excellent for cooking	$0 25	$2 50
Red Siberian. Early, fruit rather small, very prolific	25	2 50
Transcendent. Large, yellow and red, vigorous	25	2 50
Yellow Siberian. A popular productive sort, large	25	2 00

PEARS.

Pears can be grown in almost any good soil with little care. They generally give very satisfactory results.

	Each.	Doz.
Bartlett. Very fine-grained and juicy, excellent summer variety	$0 50	$4 00
Boussock. Prolific, large yellow, sweet and aromatic	50	4 00

	Each.	Doz.
Clapp's Favorite. Pale yellow, crimson cheek, juicy, fine early sort.	$0 50	$4 00
Flemish Beauty. Very productive, extra fine autumn variety	50	4 00
Kieffer. Large, yellow, with russet dots, prolific, late sort	50	4 00
Seckel. High flavored, rich and juicy, late	50	4 00
Sheldon. Profuse bearer, juicy, sweet and aromatic	50	4 00
Summer Doyenne. Very early and productive, juicy and sweet	50	4 00

CHERRIES.

The best results will be obtained by planting on moderately rich, light loam or sandy soil.

	Each.	Doz.
Belle Magnifique. Large bright red, productive	$0 50	$4 00
Black Eagle. Very productive, rich and juicy, nearly black	50	4 00
" **Tartarian.** Purplish black, one of the finest	50	4 00
Montmorency. Large and late, very productive	50	4 00
Napoleon. Large white with red cheek, excellent flavor	50	4 00
Yellow Spanish. Nearly white, large, firm, rich, and delicious	50	4 00

APRICOTS.

Plant on a northern exposure, so that the buds may not start so early as to be injured by late frost. Prune moderately every spring. Heavy soil is preferable.

	Each.	Doz.
Breda. Small, juicy, and highly flavored. Orange color	$0 35	$3 00
Early Golden. Very productive, juicy and sweet	35	3 00
Moorpark. Large and juicy. One of the best sorts	35	3 00

NECTARINES.

A smooth-skinned fruit, resembling the peach. Plant in light soil and prune the young growths thoroughly every year.

	Each.	Doz.
Boston. Freestone, sweet and juicy, hardy and prolific	$0 35	$3 00
Downton. Large, pale green, melting, rich and good	35	3 00
Early Violet. Medium sized, high flavored.	35	3 00
Hardwick. Fine, large, juicy, productive variety	35	3 00
Red Roman. Yellow flesh, fine and rich	35	3 00

QUINCES.

They require a deep, rich soil. Should be manured with thoroughly rotted manure. A little coarse salt or lime sprinkled around the trees is beneficial in keeping away insects. Keep ground well worked and free from grass or weeds.

	Each.	Doz.
Apple or Orange. Large, yellow. Very productive	$0 50	$4 00
Champion. Pear-shaped, late keeping variety	50	4 00

PLUMS.

They do best planted on a rich, heavy loam, well drained. Care must be taken as the fruit forms, to keep from the attacks of the curculio.

	Each.	Doz.
Coe's Golden Drop. Large yellow, popular, late variety	$0 50	$4 00
General Hand. Golden yellow, sweet and productive	50	4 00
Imperial Gage. Pale green, juicy and rich, medium	50	4 00
Yellow Gage. Excellent for preserving, productive	50	4 00

PEACHES.

Plant on light, rich soil. The ground should be kept free from grass or weeds. An occasional top dressing of wood ashes or slaked lime about the roots will be advantageous.

	Each.	Doz.
Alexander. Large, early and fine flavored	$0 25	$2 50
Crawford's Early. Fine yellow fleshed sort, regular bearer	25	2 50
" **late.** One of the best varieties	25	2 50
Early York. The best of its season, large and juicy	25	2 50
Morris' White. A heavy and regular bearer	25	2 50
Mountain Rose. One of the best early peaches	25	2 50
Stump the World. Very large and productive	25	2 50

GRAPES.

Grapes will flourish and bear abundantly on almost any good, dry soil, especially if the vines are trained on trellises.

	Each.	Doz.
Agawam. Large, dark red, pleasant flavor prolific	$0 25	$2 50
Brighton. Vigorous and hardy, very rich and sweet	25	2 50
Catawba. A very late keeper, pleasant, musky flower	20	2 00
Champion. Large, compact bunch, berries black	20	2 00
Delaware. Small, light rod, very juicy and sweet	25	2 50
Dnchess. Greenish white, compact bunch, productive	25	2 50
Diana Pale red, fine late variety	25	2 50
Iona. Sweet and sprightly, vigorous and productive	20	2 00
Lady. Yellowish green, rich, sweet flavor	25	2 50
Moore's Diamond. Very early and vigorous, greenish white	50	4 00
Moore's Early. One of the best early grapes, berry black	30	3 00
Niagara. A hardy, strong grower, greenish white, fine	25	2 50
Pocklington. Golden yellow, very large bunch and berry	25	2 50
Salem. Large, reddish brown, very sweet	25	2 50
Wilder. Bunch and berry large, black, vigorous and prolific	25	2 50
Worden. Hardy and healthy, of fine flavor, black	25	2 50

FOREIGN GRAPES.

For growing under glass, in hot or cold vineries. One-year-old plants, $1.00 each. Strong two-year-old vines at $2.50 to $5.00 each.

Alicante. Black, very large bunch of fine quality, late.
Barbarossa. Very late, very large and late, black.
Black Frontignan. Bunches long, flavor rich, black.
Black Hamburg. A general favorite, large bunches, black.
Champion Hamburg. A splendid grape, like Black Hamburg.
Golden Chasselas. A large, handsome white grape.
Golden Champion. A superb white grape, berries large.
Golgen Hamburg. Bunches large, berries juicy and sweet.
Gros Colman. Very vigorous, berries black and juicy.
Lady Downes. One of the best late black grapes.
Muscat of Alexandria. The finest white grape.
Red Chasselas. A small, early, red grape, excellent.
Royal Muscadine. One of the finest white sorts, very sweet.
Syrian. Bunches of immense size, good quality, white.
Trentham Black. Very rich and juicy, prolific, black.
White Frontignan. A white sort of fine quality.

CURRANTS.

Plant on good soil and keep well worked and manured. There are very few fruits that will so thoroughly repay as this for good and proper treatment.

	Doz.	100.
Black Naples. Vigorous and productive..	$1 00	$5 00
Cherry. Deep red, fruit large and acid...	1 00	5 00
Fay's Prolific. Very prolific, extra large red	2 50	15 00
Lee's Prolific. A new black variety, very prolific.....	1 00	5 00
Red Dutch. Large bunches, red berries of medium size.....	1 00	5 00
Versaillaise. Berries large, bright crimson, productive.....	1 00	5 00
Victoria. Brilliant red, of excellent quality	1 00	5 00
White Grape. The best white variety.....	1 00	5 00

BLACKBERRIES.

Plant in good soil in rows five feet apart, and plants three or four feet apart in the row. Soon after fruiting season, or in early spring, cut out all the dead wood. A good top dressing of stable manure applied annually will be conducive to large crops. Keep the ground well worked and clean.

	Doz.	100.
Early Harvest. One of the earliest varieties.	$0 50	$2 00
Erie. Very productive, hardy and of good quality.....	75	3 00
Kittatinny. Late, very productive, sweet and excellent.....	50	2 00
Snyder. Medium sized berries, fine quality	50	2 00
Wilson, Jr. The largest and best early variety.....	50	2 00

GOOSEBERRIES.

They do best planted on good rich ground, kept well worked, and free from grass and weeds. Cut out the old wood as soon as it begins to decline and shorten all the young shoots to keep the bushes in shape.

	Each.	Doz.
Houghton. Pale red, vigorous and productive.....	$0 15	$1 00
Industry. Free from mildew, very prolific	25	2 50

RASPBERRIES.

Plant in rows about five feet apart and three feet between the plants. They like good rich soil, with plenty of manure worked into it annually. Immediately after the fruiting season or early in the spring, cut out the old wood which bore the last crop of fruit.

	Doz.	100
Brandywine. Large bright red, hardy, and productive	$0 50	$2 00
Cuthbert. Excellent variety, very productive	50	2 00
Golden Queen. A new yellow variety of great promise	75	3 00
Gregg (Black Cap). Productive, large fine quality	50	2 00
Marlboro. Very hardy, vigorous, and productive	50	2 00
Souhegan or **Tyler Cap.** Variety, very productive	50	2 00
Turner. Very productive, an excellent variety	50	2 00

STRAWBERRIES.

Ready in August and September.
See Bulb Catalogue.

MISCELLANEOUS FRUITS.

	Each.
Almond, Hard Shell. Very ornamental when in bloom	$0 50
Almonds, Soft Shell. Much sweeter than the hard shell	50
Chestnuts, American. The sweet native variety	50
Chestnuts, Japan Giant. Large and prolific, new	1 25
Chestnuts, Spanish. Large, but not as sweet as the American	50
Filberts, Kentish Cob. Very productive	50
Filberts, White, Fine fruit and flavor	50
Figs. Best varieties	50
Mulberry, Downing's. Everbearing, large and rich	50
Mulberry, White. Small, nearly white, rapid grower	25
Walnuts, American Black	50
" " **Butternut**	50
" **English** or **Madeira Nut**	50
" " Dwarf, prolific	1 00

I will be happy to quote special prices on large quantity of Fruit Trees and Vines, or on any variety not in the Catalogue.

W. A. MANDA

is not in any way connected with the firm using his name. All letters and orders please address to

SOUTH ORANGE, N. J.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES.

	Each.
Bamboo Stakes, 5 foot	$2.00 per 100
Bellows, Powder, large	$2 00
" " small	1 00
" **Vaporizer**, large	2 25
Dibbles, all iron	50
Forks, Digging, 4 tines	85
" " 5 "	1 00
" **Manure**, long and short handled	1 25
Fumigator, Excelsior, 8 quart size	3 75
" " 16 quart size	6 25
Garden Line, finest braided, 100 feet	$0 75
Garden Reel for above, iron, painted	1 00
Gloves, Gardener's, per pair	$1 25
Grafting Wax	40c. per lb.
Garden Pencils, Indelible Black	10
Hoes, Draw or Field, 5 to 8 in	35c. to 50
" **Scuffie, Dutch or Push**	65c. to 90
" **Grub**	75c to 1 00
" **Prong**	75
" **Triangular, or Tree Scraper**	50c. to 75
Hooks, Grass or Sickle	35c to 60
Hose Menders	10
Knives, Asparagus	1 25
" **Grass or Edging**	1 50
" **Budding**	$1 25 to 1 50
" **Pruning**	$1 00, $1 25 to 1 50

Labels, Wooden—	Per 1,000 Plain.	Per 1,000 Painted.
Pot or Garden, 4-inch, pointed	$0 60	$0 80
" " 5 " "	80	1 00
" " 6 " "	1 00	1 25

	Per 100 Plain.	Per 100 Painted.
" " 8 " "	$0 40	$0 50
" " 12 " "	50	70

	Per 1,000 Plain.	Per 1,000 Painted.
Tree or Plant, notched, 3½ inches	$0 60	$0 75
" " copper-wired, 3½ inches	1 75	2 00
" " notched, 6 "	1 25	1 75

	Each.
Lawn Mower, New Model, 10-inch, net	$8 00
" " " " 12 " "	9 25
" " " " 14 " "	10 50
" " " " 16 " "	11 50
" " " " 18 " "	12 75
" " " " 20 " "	14 00
" " New Excelsior (Horse), 25-inch, net	45 00
" " " " " 30 " "	60 00
" " " " " 35 " "	75 00
" " " " " 40 " "	90 00
Mole Trap, Olmstead's Improved	1 50
" " Hale's	2 25
Rakes (Steel), Garden, 8 teeth	40
" " " 12 "	50
" " " 14 "	55
" (Wooden), Hay, 12 "	35
" " Lawn, 22 "	40
" Gem " for leaves	75
Raphia, for tying; per lb	20c., 12 lbs. 2 00
Scissors. Grape-Thinning	1 25
" Bow Pruning	1 00
" Flower Gatherers	1 50
Scythes. Lawn, 30 to 38 in	1 40

		Each.
Scythe Stones.	English, Round Talacre	$0 15
" "	American	15
Shears.	Pruning, Solid Steel, 7½ in	1 50
" " " "	9½ in	2 00
"	Grass Border	2 25
"	Pole Pruning	3 00
"	Sheep	1 25
Shovels.	Ames', long and short handles	1 25
Spades.	" " " "	1 25
Sprinklers.	Lawn, 4-arm	4 00
"	" 8-arm	5 50
"	Plant, rubber bulb, ½ pint	75
"	" " " 1 "	1 00
Syringe.	Brass, No. 8	2 50
"	" 2	3 75
"	" 11	5 50
Thermometer.	Tin, japanned, 7 to 12 inch	20c. to 40
"	Registering	3 50
"	Hotbed, 12-inch	2 50
Trowel.	Solid steel, 6 inches	60
"	" " 7 "	70
"	" " 8 "	75

FLOWER POTS, STANDARD MAKE.

	Each.	Per doz.	Per 100.	Per 1,000.
2 inch		$0 09	$0 55	$4 50
3 "		12	80	6 50
4 "		25	1 45	11 50
5 "		35	2 25	18 00
6 "		55	3 75	30 00
7 "	$0 10	85	5 60	45 00
8 "	15	1 25	7 80	
9 "	20	2 00	13 75	
10 "	25	2 35	15 95	
11 "	30	3 25	21 85	
12 "	40	3 75	25 00	
14 "	50	5 80	38 75	

SEED PANS.

	Each.	Per doz.
6 inches in diameter	$0 15	$1 50
8 " " "	20	2 00
10 " " "	25	2 50
12 " " "	30	3 00

MATERIALS FOR ORCHID CULTURE.

	Per bbl.
Fibrous Peat, picked, ready for use	$4 50
" as collected	2 75
Sphagnum Moss, picked	4 50
" " as collected	2 75

ORCHID CRIBS.

	Per doz.
4 inch, made of best durable wood	$1 65
5 " " " " "	2 00
6 " " " " "	2 15
7 " " " " "	2 40
8 " " " " "	2 65
10 " " " " "	2 85
12 " " " " "	3 60

INSECTICIDES (INSECT DESTROYERS).

	Per lb.
Sulpho-Tobacco Soap	$0 50
Fir-Tree Oil	per pint 75c.
Persian Insect Powder	65

	Per lb.
Paris Green	$0 35
Powdered White Hellebore	40
Slug-Shot, 5 lbs. 35c.	
Hammond's Grape dust for Mildew, 5 lbs. 40c.	
Carbolic Soap	65
Tobacco Soap	45
Gishurst's Compound, in boxes	50
Whale-Oil Soap	20
Tobacco Stems, per 100 lbs. $2 00	
Tobacco Dust, 25 lbs. 1.50	
Little's Antipest, ½ gal. 1.50	
Kill'm-Right, 5 lbs. 1.20	

FERTILIZERS.

	Per 100 lbs.
Lawn Fertilizer	$3 75
Bone Meal	3 75
Cotton-Seed Meal	3 25
Peruvian Guano	3 25
Ground Bone	3 25
Crushed Bone	3 25
Unleached Canadian Ashes	2 50
Sheep Manure, Pulverized	3 50
" " Compressed	3 00
" " Pure. See page 24, Novelty portion.	

COLUMBIA FLOWER TUBS.

	Each.
12 inches diameter by 11 inches high	$1 00
15 " " " 14 " "	1 50
18 " " " 16½ " "	2 00
21 " " " 18½ " "	2 50
24 " " " 20½ " "	3 00

HORTICULTURAL BOOKS AND PERIODICALS.

This list contains all the leading works on horticulture and agriculture, and will be found a great help to any one in horticultural or agricultural pursuits, whether for pleasure or profit, valuable alike to the novice or one with fair knowledge

	Each.
A Fortune in Two Acres (Fred Grundy)	$0 20
American Grape Training (L. H. Bailey)	75
Accidents and Emergencies (G. G. Groff, M. D.)	20
Cross Breeding and Hybridizing (L. H. Bailey)	40
Chrysanthemum Culture for America (James Morton)	60
Chemicals and clover (H. W. Collingwood)	2 00
Cooking Cauliflower (A. A. Crozier)	20
Choice Stove and Greenhouse flowering and Ornamental Leaved Plants	5 00
Ensilage and the Silo	20
Fruit Culture (W. C. Strong)	1 00
First Lessons in Agriculture (F. A. Gulley, M. S.)	1 00
Fertilizers and Fruits (H. W. Collingwood)	20
Fertilizer Farming (H. W. Collingwood)	20
Horses, Cattle, Sheep and Swine (Geo. W. Curtis, M. S. A	2 00
Horticulturist's Rule Book (L. H. Bailey)	50
How to Plant a Place (Elias A. Long)	20
How to rid Buildings and Farms of Rats, Mice and Gophers	20
Insect Supplement	10
Insect Foes (E. A. Long)	10
Landscape Gardening (Elias A. Long)	50
Milk: Making and Marketing (E. G. Fowler)	20

	Each.
My Handkerchief Garden (Chas. Barnard)	$0 20
Orchid Grower Manual (Williams)	9 00
The Nursery Book (L. H. Bailey)	50
The New Potato Culture (Elbert S. Carman)	40
The Business Hen (H. W. Collingwood)	40
The New Celery Culture (Robert Niven)	20
The Modification of Plants by Climate (A. A. Crozier)	25
The New Botany (J. W. Beal, M. Sc., Ph. D.)	25
The Illustrated Dictionary of Gardening (Nicholson)	20 00
Tuberous Begonias	20
Trees for Street and Shade	20
Window Gardening	10

HORTICULTURAL PAPERS.

	Per Year.
The American Gardening	$1 00
Gardening	1 00
The American Agriculturist	1 00
The Garden and Forest	4 00
Rural New Yorker	1 00
Country Gentleman	1 00

Subscription taken for all Horticultural and Agricultural papers at publishers' prices.

Do not be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*

W. A. MANDA

AT THE

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.,

where please address all letters and orders intended for me, as I am not in any way connected with the firm that still uses my name.

SEND ME A TRIAL ORDER.

"PLANET JR." IMPLEMENTS.

These are the most popular and satisfactory tools made for garden and field use. I can only partially describe them here, but shall be glad to send, free, a 32-page illustrated catalogue to all who will ask for it.

THE "PLANET JR." HILL DROPPING SEED DRILL.

Holds 2½ quarts, and sows all garden seeds to perfection, in *either* drills or in hills 4, 6, 8, 12 or 24 inches apart. Price, $12.00.

THE "PLANET JR." FERTILIZER DRILL.

Same as above, and in addition sows fertilizer at same time. Just the thing for market gardeners. Price, $18.00.

THE "PLANET JR." No. 2 DRILL.

Has been the standard drill for years, and is the best on the market for sowing in drills. Especially good for delicate seeds. Price, $9.00.

THE "PLANET JR." COMBINED DRILL, WHEEL HOE AND CULTIVATOR.

Known the world over as the best combined machine made. It sows, covers, hoes, plows, cultivates and rakes, and does every operation perfectly. Just the thing for parties who raise their own vegetables. Price, $12.00.

"PLANET JR." DOUBLE WHEEL HOE.

Every onion grower and market gardener ought to have this tool, for it does the work of six men. It hoes, cultivates, plows and rakes, but don't sow seed. Saves its cost every week. Price, $8.00.

"PLANET JR." SINGLE WHEEL HOE.

Does the same work as the double wheel hoe, and is a little lighter and cheaper. A large number sold. Price, $6.00.

"FIRE FLY" SINGLE WHEEL HOE.

Same as the "Planet Jr." single wheel hoe, except the rakes, and costs a dollar less. Price, $5.00.

"FIRE FLY" PLOW.

The best little tool for the money on the market, for parties having a small garden. Price, $2.50.

"PLANET JR." No. 6 HORSE HOE AND CULTIVATOR.

Almost too well known to need description. Every farmer and gardener needs one or more. Made entirely of steel and malleable iron, and vastly superior to anything of the sort on the market. It will pay you to throw away your old machine and buy this if you have not got one. I can furnish a number of special attachments, which are fully described in the "Planet Jr." catalogue. Price, $12.00.

"PLANET JR." TWELVE TOOTH HARROW.

Invaluable for everybody who wants to put their ground in nice condition, and especially for strawberry growers. Send for catalogue and full description. Price, $12.00.

I cannot emphasize too strongly the value of these "Planet Jr." goods to parties who want to get the best crops, at the least expense, out of their land. Send for a catalogue, even if you don't need any tools now. It will be interesting and instructive reading.

This firm has erected and heated my new Greenhouses with such satisfaction that I can strongly recommend any one contemplating building to correspond with

Thos. W. Weathered's Sons,

(ESTABLISHED 1859,)

HORTICULTURAL BUILDERS

· · · AND · · ·

HOT WATER ENGINEERS.

We erect from the smallest of Portable Greenhouses of Wood to the largest and most magnificent range of Iron.

Do Not Build Without Consulting Us.

If you are going to purchase a Heating Plant for Chicken House, Stable, Greenhouse, or your Dwelling, you will do well to get our - - - Catalogue. - - -

Ten Sizes of Hot Water Heaters.

Send Six Cents in Stamps, and mention which Catalogue you wish—Greenhouse Catalogue or Heating - - - - Catalogue. - - - -

Hotbed Sash and Frames kept in Stock.

ADDRESS:

THOS. W. WEATHERED'S SONS,

139, 141 & 143 CENTRE ST.,

NEW YORK, N. Y.

Please Remember that

W. A. MANDA,

FORMERLY OF

PITCHER & MANDA,

is no more directly or indirectly connected with the above firm that still uses his name, but is now independently separated, and *Sole Proprietor* of the

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.,

where please send all letters and orders intended for him. The *New Establishment* has all the advantages and improvements, and contains the choicest stock of everything pertaining to

FLORICULTURE

that the life-long practical experience of the owner can make it. As to recommendations it will suffice to glance over, in the first few pages of this book, the numberless complimentary notices by both horticultural and daily press, and the general reputation of the name in horticultural circles.

Concluding Remarks

THIS last page of the General Catalogue may be devoted to the review of this book. On its first pages you will find Introductory Remarks, Advice to Customers, a few brief words about myself, and a page of names of some of my patrons that have honored me with their orders the past season. A page is devoted to Landscape Department; and on page 7 begins the Seed List, first enumerating all the best and leading Vegetable Seeds; then Roots and Herbs, followed by Grass and Clover. The Flower Seeds are divided into Specialties, General Collection, and Collections, making together the finest list ever offered to the public. Here we enter the Plant Department, beginning with Roses, Chrysanthemums and Carnations, followed by Bulbs, Water and Bog Plants, and Bedding Plants. Here follows the Greenhouse Department, including Palms, Orchids, and all Flowering and Foliage Plants, largely grown by me in my spacious greenhouses. The Hardy Department, to which I devote several acres, is complete, and includes the best in Hardy Perennials, Ornamental or Fruit Trees, Shrubs and Vines of every description. The last pages are devoted to Tools to cultivate your garden with, Fertilizers to enrich your soil, and Insecticides to destroy and prevent all garden pests. Last, but not least, are the Books and Periodicals, both interesting and instructive to all plant lovers. Looking ahead we will find on the colored paper 24 pages of Novelties and Specialties. They all cost only a few cents each, and therefore do not hesitate to try some.

One more thing I wish to draw to your attention, and that is the ***Order Sheet,*** which I trust you will use, and order largely, and thus add beauty to your home, and years to your life, by devoting your spare time to Floriculture.

Novelties and Specialties.

In this section I have included all such varieties of recent introduction or raisings, comprising a very large and varied assortment from the various raisers in this country and Europe, and which contains many valuable additions to the existing kinds, or forming new classes and colors.

Here also are included many kinds not new, but such as having extraordinary merit deserve general culture, while formerly they were known only by a very few persons.

Another class described are several well known plants, which with its large and beautiful varieties of flowers forms a large collection which is of untold interest, and commends itself to all flower lovers. This refers to Phloxes, Iris, Ivies, Poppies, etc.

Planting and raising novelties has a special charm, and being inexpensive it is well worth buying some of the novelties here described, and you will surely be pleased with the result, and have something in your garden that is uncommon and new. Some novelties do better in one section of the country than others, or under different conditions and treatment sometimes produce extraordinary results, and well repay for the little cost and labor. Should you raise or originate anything superior to the existing kinds, I would be pleased to hear from you. Except where noted, all seeds will be ready in January. All plants, except where noted, will be ready after March 1st.

Send in your order, even if for only a dollar's worth, and you will receive all catalogues in the future, as after this they will be mailed to customers only.

FLOWER SEEDS.

Aster "Lady in White" (Benary.) Two features distinguish this Aster, at the first glance, from all others existing—a hitherto unapproached freedom of flowering and a perfectly distinct foliage. Where, as in all known Asters, the leaves are ovate, *i. e.*, broad at the base and tapering slightly towards the top, those of this new variety are ensiform, *i. e.*, of a long and very narrow shape, and a striking light green in color.

These two qualities combined give to the plants an extremely graceful appearance, and relieve them of that stiffness common to most other classes of Aster.

In their free branching habit, these plants resemble the Mignon Aster, introduced by me some years ago, and from which this new variety has been obtained. The flowers are elegantly borne on slender stalks, and have exactly the same graceful semi-globular form as the Mignon.

No plant produces less than 40 buds, while some bear as many as 70, which come into flower gradually, and so prolong the blooming period into the late autumn. We have in this new Aster a novelty of the finest rank, and the "Lady in White" will doubtless attain a wide popularity, as it is of inestimable value for bedding, for pots, and especially as a cut flower. Per packet.....35 cts.

New Giant White Comet Aster. This variety differs from the well-known Comets in its large size, also having longer and broader petals, giving it a striking appearance. It is by far the best Comet Aster ever introduced. Per pkt.....25 cts.

Vick's New White Branching Aster. This is a strong, vigorous plant, having a decidedly branching habit, producing large white, graceful flowers with long stems, making it available for various purposes. The flowering season being later than the other varieties of the Aster makes it still more valuable, as there are very few annuals or perennials in bloom at that season. Per pkt. 15 cts.

Anchusa Barrelieri.—One of the earliest varieties, quite dwarf, with beautiful dark blue flowers. A very desirable novelty. Per packet.....25 cents.

Campanula Persicifolia Backhousei (Grandiflora alba). The flowers of this splendid and thoroughly hardy perennial are of the purest white and almost twice the size of the type, C. persicifolia, which is recognized as one of our best perennials for groups, being noted for its free and long lasting bloom. The plants grow about three feet high, and throw up six to eight strong flower stalks, each covered with fifteen to twenty magnificent blossoms.

They are quite as valuable for cut flowers as for the border. Per pkt.....35c.

Cineraria Hybrida Nana Grandifl. "Astrosanguinea."—The large and well-formed flowers of this new Cinerari hybrida nana grandiflora are of a very brilliant dark blood-red color. The plant is very compact and dwarf in growth. A new constant hybrid of first rank. Per pkt.....50c.

Cobæa Macrostemma.—This new and magnificent Cobæa, a native of the mountains of San Salvador, is much finer than the old Cobæa scandens. Its foliage is of a bright green, and the plant grows very rapidly. Its flowers, although not very remarkable, produce,

however, a more striking effect on account of the length of their stamens. Per pkt.....25c.

New Coleus "Regal Giant."—A most remarkable Coleus, attaining the great height of six feet, of branching and pyramidal habit ; has enormous leaves ; the colors of the leaves are diversified and beautiful. Per pkt...25c.

Centaurea Cyanus Nana Compacta (New Varieties).—In height and habit they are similar to the parent form, and comprise flowers of white lilac, rose, light blue and brown red tints, thus causing a bed of them to present a gay aspect. These little flowers make a fine show in spring, and are specially suited to autumn sowing, as they are capable of withstanding severe cold. I may also mention that the young seedlings bear transplanting well. Per pkt.....25c.

New Giant Calliopsis lanceolata "Golden Glory."—The plants are a perfect glory of golden blossoms the entire season ; they are double the size of Calliopsis grandiflora ; flowers deeply notched on the edges ; very young plants bloom ; it is a fine winter bloomer. Per pkt..25c.

White Marguerite "Carnation."—Is a white form of the well known and most valuable Marguerite Carnation; is very large flowering and of a fine fragrance.

Cosmos Conchita.—A very fine variety. Flowers rich crimson velvety color. Per pkt.....25c.

Cosmos Mammoth Perfection "Erlinda."—Flowers pure white and very large, borne on long stems. The plants are very vigorous, and bloom more abundantly than the old variety. Per pkt.....25c.

Cosmos Mammoth Perfection "Roseta."—A beautiful pink form of the above. Per pkt.....25c.

Cosmos, The Pearl.—Flowers much larger than the old variety. The petals broader and overlapping, forming a fine flower of fine substance. Per pkt.....25c.

Dahlia Tom Thumb.—New single, very dwarf variety, rich mixture of the very choicest colors. Per pkt...35c.

Dianthus laciniatus, "Salmon Queen."—Of a color unique among D. Heddewigi. The plants are about a foot high and bear numerous bright salmon red flowers. Per pkt.....35c.

Emmenanthe Penduliflora, or "California Golden Bells."—A native annual, with pretty foliage and charming spikes of dainty yellow flowers, like lilies of the valley; very pretty for bouquets, and beautiful dried for bouquets, as the flowers are like tissue paper. Per pkt.....25c.

Eschscholtzia Maritima, or "Cross of Malta." A beautiful new variety, with grayish green foliage and gorgeous canary yellow flowers, with a Maltese cross of deep orange in the centre of flower. Per pkt.....15c.

Freesia Gigantea Grandiflora, "California," mixed. A greatly improved Freesia, that grows 15 inches high. The bulbs grow very large, measuring 1 to 1 1-8 inches in diameter. The foliage is broader, the plants much stronger and robust; flowers are double the size of ordinary Freesias, and have stems 15 inches long ; the colors are pure white with yellow throat, cream yellow with orange throat, cream shaded lavender, and white with lavender; a splendid novelty. Per pkt.....25c.

Heliotropium, "Queen Marguerite." This valuable novelty, raised from a cross between Heliotrop. incanum and Heliotrop. peruvianum, has proved quite constant after several years' cultivation. The habit of the new H. Queen Marguerite is a dwarf compact one, and the pro-

fuse flowering is unequaled by any other sort in existence. The 4 inches long sprigs produce continually (nearly the whole year) immense, sweet-scented clusters of deep dark-blue colored flowers, often 12–14 inches in diameter.

A beautiful novelty, suitable for pot or border culture, and of high value for cut-flowering purposes. Per pkt. 50c.

Hibiscus crassinervis flammea. A lovely dwarf, compact and evergreen shrub for the greenhouse during the winter, and in summer in open air. From April to December it is covered with brilliant scarlet flowers. Pot culture, watering sparingly. Per pkt..... ...25c.

Hibiscus micranthus roseus. A pretty evergreen shrub for the greenhouse, to be kept always dwarf and branched by continual cutting, covered in summer with rose-colored flowers. Per pkt.....25c.

Humulus japonicus lutescens. This is a beautiful new form of still more vigorous growth than that of the old Japanese Hop, with a yellowish foliage of frequently a golden hue. Does not suffer from the sun, and is one of our prettiest novelties. Per pkt.....25c.

Humulus japonicus variegatus (Variegated Hop). The Japanese Hop is certainly the most useful and ornamental of annual climbers, in addition to which it is a very fast grower.

The variety, offered for the first time two years ago, has all the good qualities of the parent plant, and from its great beauty is sure to be a general favorite. Very flattering testimonials were sent to me from several of my customers who gave it a trial.

The leaves are variegated with the most distinct markings, the colors varying from silvery white to dark green ; some leaves are regularly striped and blotched. In some the color approaches a clear white, but green leaves such as grow on the type are entirely absent. Per pkt.....25c.

Iris Aurea (True). (American grown seed.) One of the grandest hardy Irises in cultivation. The plant grows five to six feet high, and produces a spike carrying 12 to 20 large golden yellow flowers, which harmonize with the large glaucous foliage. Per pkt.....25c.

Ipomœa, Smith's Hybrid.—Luxuriant in growth of vine and foliage, and very floriferous, the flowers (pure white) measuring about five inches across. One great advantage, particularly for the far North, is its early season of blooming, which is fully 30 to 45 days earlier than the old variety. Per packet.....10 cents.

Ipomœa Noctiflora, White Seeded.—Far superior to the old Moon Flower. Blossoms pure white and very large. The growth and foliage is very luxuriant, making it very desirable. Per packet.....10 cents.

Ipomœa, "Heavenly Blue."—Not new, but so beautiful as to be grown by all. The vines are completely covered by exquisite sky blue flowers, measuring four inches across. Every one who sees this climber in full bloom exclaims: "That is the loveliest thing I ever saw." Per packet.....10c.

Ipomœa imperialis Adonis.—Very large green leaves. Gigantic purple-red flowers with a snow-white throat. Magnificent. Per packet.....25c.

Ipomœa imperialis Antigone.—Silvery leaves, most striking, very large blue flowers with a pink throat. New color. Magnificent. Per packet.....25c.

Ipomœa imperialis Aglaja.—Silvery leaves, large crimson flowers with a white throat, very fine. Per packet..25c.

Ipomœa imperialis Asteria.—Very large green leaves, gigantic copper-red flowers with a white throat. This is a new color rarely observed as yet in any flower. Per packet.....25c.

Ipomœa imperialis Ceres.—Silvery leaves, carmine flowers with a large white border and red-shaded throat. Most striking and quite new.....25c.

Ipomœa imperialis Euphrosyne.—Leaves silvery ; flowers very large, snow-white with a pink throat ; splendid. Per packet.....25c.

Ipomœa imperialis Thalia.—Large green leaves ; snow-white gigantic flowers ; splendid. Per packet.....25c.

Ipomœa purpurea fl. pl.—A double convolvulus, coming 75 to 85 per cent. true from seed. The flowers are white with purplish spots at base of petals. Per packet..35c.
One packet of each of the above 11 kinds for $1.75.

Leucanthemum nipponicum.—Numberless dazzling large white flowers appearing at the end of summer, during the autumn and winter. Dwarf evergreen shrub with nice foliage. Per packet.....25c.

Lobelia Kerneri variabilis.—Obtained from seeds of Lobelia Kerneri crossed with L. cardinalis and L. syphilitica. The flowers are much larger than those of the type, and of many colors, such as dark red, scarlet, carmine, pink, lilac blue and purple. Magnificent. Per packet.....25c.

Myosotis dissitiflora Perfection.—One of the grandest Forget-me-nots ever introduced, being far superior in all respects to any other. Per packet.....25c.

Nicotiana Tabacum fol. var.—New variety, highly decorative and ornamental. Most suitable for foliage groups. Per packet.....15c.

Nemesia strumosa Suttoni.—One of the most distinct and beautiful of recent introductions, the colors ranging from ivory white to primrose, orange scarlet, crimson and purple. In the open it will flower from May to October. Per packet.....25c.

Pansy, Cardinal.—The idea of every pansy grower is to grow a Scarlet Pansy. With this variety I am able to offer the nearest approach to it. The color of the flower is not the true scarlet like it is found in Geraniums, etc., but it would properly be called a brownish-scarlet. It represents the brightest color in Pansies grown up to to-day. The flowers are as well of good size as substance and perfect form. The three lower petals are marbled with a large dark blotch. Per pkt.....50c.

Pentstemon antirrhinoides.—A small evergreen shrub, with narrow leaves and large sulphur-yellow flowers, resembling somewhat those of the Snapdragon throughout the summer. Requires a sunny and sheltered place and good fresh soil. Per pkt.....25c.

Pentstemon Gordoni splendens.—Hardy perennial from Colorado, producing several spikes about 2 feet high, covered with shining dark blue flowers. Per pkt....25c.

Pyrethrum parthenifolium aureum crispum.—The leaves are of a bright golden yellow color, and similar in form to the well known Golden Feather, but distinguished from

it by being beautifully curled and crisped, resembling in form curled parsley. The plants are of strong but dwarf compact and neat habit. It cannot fail to speedily find its way into every garden. Per pkt...25c.

Pyrethrum parthenifolium glaucum.—A beautiful companion of the golden Pyrethrum parth. aur. with whitish and elegant foliage. The flowers appear only the second year. A most valuable carpet bedding plant. Per pkt.... .....25c.

Pyrethrum parthenifolium aureum muscoideum (Vilmorin).—The plants are forming small round cespitous or mossy bushes of about 4 to 8 inches across, and hardly 2 to 3 inches in height. The leaves are neat and small, finely cut, even, of a bright golden yellow color and sitting close together. But the greatest value of this novelty is, that seedlings do not flower at all the first year, even sown as early as possible. Very valuable for small edgings, for bedding, etc. Per pkt.....25c.

Saintpaulia Ionantha. It has proved one of the best novelties of recent years, every one who has grown it being full of admiration for the charming little plant. Its long blooming character makes it a most valuable introduction for the decoration of our greenhouses and apartments. As a winter flowering plant, continuing in bloom as it does from autumn till spring, it is quite a gem. Per pkt.....35c.

Swainsonia. Are very elegant greenhouse plants or sub-shrubs. Flowers bluish, violet, purple, red or white. Are most desirable greenhouse flowering plants.

Swainsonia Greyana. Large pink flowers in erect pedunculate racemes. Per pkt.....25c.

Swainsonia Osborni. Fine purple flowers. Per pkt..25c.

Swainsonia Rosea grandiflora. Beautiful large rosy flowers. Per pkt.....25c.

New Sweet Pea, "American Belle." First introduced last year, we now have this variety so that it comes quite true from seed, which, unfortunately, was not the case last season. It shows an important departure from the colorings and markings of all other varieties, being neither striped nor mottled, but distinctly spotted. The standard is clear, bright rose of uniform coloring; wings of crystal-white with bright purplish-carmine spots. The flowers are very large, of good substance, and finely formed, while the standard does not have that tendency to droop so common in other large-flowered varieties. Of such good substance are the flowers that they remain perfect and keep well in a bouquet for a long time, thus rendering this variety most desirable for cut flowers. Per pkt.....10c.; 3 pkts. for 25c.

New Sweet Pea, "Blanche Burpee." A white-seeded, pure white of exquisite form and immense size, having a bold, rigid, upright, shell-shaped standard of great substance; is a wonderfully profuse bloomer, and absolutely free from the objectionable notch so conspicuous in Queen of England and Emily Henderson. It usually bears three flowers on a stem; a very chaste variety, and by far the finest sweet pea ever produced. Per pkt.... 25c.; 5 pkts. for $1 00.

STOCK, LARGE FLOWERING.

Dwarf Winter, or Brompton, "Sunrise."—It is about eight to ten inches high, of a decided candelabrum-formed habit, and the numerous flower spikes are thickly studded with

beautiful large blossoms. The color of the flower is a bright rose, with a metallic lustre, such as has not yet appeared in any biennial stock.

The "Sunrise" has proved itself to be very hardy, and about 70 per cent. of the plants are double. The flowers commence to expand very early, and possess the valuable quality of lasting an unusually long time; in fact, more than eight weeks. Even when the flowers are fading, which they do into a somewhat paler shade of rose, the plant retains its attractive appearance. Per pkt.....35c.

Tagetes patula fl. pl., "Lilliput."—Really a Lilliput or dwarf variety, both in habit as well as in flower, in the French Marigold.

The plants attain a height of four to five inches by a diameter up to six inches, being of regularly branching and compact habit, really covered uninterruptedly from June until late in the season, with perfectly double, but rather small flowers of a bright brown color, edged with golden yellow. A valuable variety for carpet bedding, edging and massing, but as well very useful for growing in pots, it may be safely pronounced a first class novelty. Per pkt.....25c.

Tagetes patula fl. pl., "Golden Lilliput."—A companion to the dwarf variety offered with me last year, but with bright golden yellow flowers.

The plants attain a height of four to five inches by a diameter of about six inches, being of regularly branching and compact habit, covered uninterruptedly from June until late in the season, with perfectly double, but rather small flowers of a bright golden yellow color. A valuable variety for carpet bedding, edging and massing. Very useful for growing in pots. Per pkt.....25c.

Tecoma Smithi.—Produces in autumn and early winter large heads of flowers two inches long, of a rich lemon flushed with dark orange. Sometimes bears 100 flowers in a single shoot, eighteen inches in height. Bloom lasts a full month in perfection. Per pkt.....35c.

Wallflower. Large-flowered, Single. "Eastern Queen."—This novelty forms a very valuable addition to our old favorites, the Single Wallflowers, which are so indispensable for the spring borders. In habit the plant resembles the well-known Dresden Forcing, being very bushy and not much exceeding one foot in height. In color, however, there is a striking difference, the strong stalks of the new variety being crowned with flowers of a bright chamois, changing to salmon red, a very pleasing shade indeed. On seeing a bed of "Eastern Queen" for the first time, the effect is decidedly surprising, as it differs so widely in color from any hitherto existing variety. Per pkt.....25c.

YELLOW DATURA, HORN OF PLENTY.

Any one acquainted with the well-known Datura Cornucopia can imagine a plant of the same general appearance, flowers of the same size and form, differing only in the color, which is a beautiful shade of yellow. It makes a grand plant for shrubberies or the flower garden, and when planted alone makes a beautiful, shapely plant. The golden trumpet-shaped flowers, hanging like so many bells, are produced in great profusion, giving it a striking appearance. It does best planted in a rich, open soil and sunny situation. Per pkt.....25c.; plants, 25c. each.

VEGETABLE SEEDS.

Asparagus, Smalley's Early Defiance.—Very large and new; twelve days earlier than any existing varieties. Per pkt.....50c.

Henderson's Bush Lima Bean.—A Bush Lima, earlier than the pole varieties. The bean is small, which adds greatly to its popularity; very productive, bearing all summer, until killed by frost. Per pkt., 10c.; per qt., 50c.

Thorburn's Dwarf Lima Bean.—This is a bush form of the famous Challenger Lima. It grows about eighteen inches high; is very productive, and possesses the delicious flavor of ihe Challenger Lima, and is a good grower. Per pkt., 10c.; per qt., 50c.

Burpee's Bush Lima.—A bush form of the Large White Lima Bean. It grows about twenty inches high; it is larger than Henderson's, both in bean and pod, but of fine quality. Per pkt., 10c.; per qt., 75c.

Dreer's Bush Lima.—A bush form of Dreer's Improved Pole Lima; grows from eighteen inches to two feet in height, and of vigorous habit. Per pkt., 10c.; per qt., 50c.

Keeney's Rustless Golden Wax.—This is the long-looked-for bean, combining hardiness and productiveness with fine quality. A strong growing bush variety of remarkable vigor and freedom from rust. It sends out short tendrils, on which pods are formed, in addition to those near the central stalk of the plant, which accounts for its wonderful productiveness, amounting, under favorable conditions, to 100 to 150 fold.

These packets contain an ounce of beans, being 60 to 75 in number, and if planted one bean in a place, ten inches apart in the row, and the rows 24 to 28 inches apart, they will produce, under favorable conditions, a bountiful supply for a family of six or eight persons.

The pods are meaty and well-filled, thick-flat when young, and semi-round later; of rich yellow color and fine quality, and entirely stringless even when large enough to shell. If the pods are picked as fast as formed, the plant continues to furnish a bountiful supply for an unsually long season. Per pkt., 15c; two for 25c.; ten for $1.00.

Carrot, "Champion Feeder."—Yellow, new, excellent variety; very large and sure cropper. The best of all carrots for feeding purposes, single roots weighing as much as three pounds and more. Per oz., 15c.; per lb., $1.25.

Cauliflower, "Danish Giant."—A desirable variety, with a rich and luxuriant growth; big snow white and solid heads from ten to twelve inches in diameter; can be recommended for either early or late planting. Per pkt.....50c.

Cucumber Santa Rosalia.—An abundant bearer, climbing but little; the fruits are almost smooth, with very few spines only, bright green, well shaped, of medium size, and they never get bitter; the flesh is very solid, and the fruit contains but little seed. Excellent for salad and also for eating raw. Per pkt.....25c.

Hairy Cucumber of Brindisi.—A short, thick, green sort, with soft hair, producing very early a great number of fruits which surpass in flavor the best other kinds. They are to be eaten raw and are very refreshing, but will,

however, do well in those countries where there is not much rain in the summer. Per pkt.....25c.

Hairy Cucumber of Taranto.—Unlike the former, this beautiful kind produces half long fruits, which are likewise of the finest flavor. Per pkt.....25c.

Hairy Cucumber of Trani.—The fruits of this beautiful cucumber are round or oval, and they might be taken for melons. The plant is extremely prolific. Per pkt.....25c.

Pepper Sirius. A fine ornamental, and at the same time useful plant. It grows about 1½ feet high, and produces a great many fruits about the length of a finger, which at first are almost cream-white, turning afterwards into wax-white, pale-yellow, orange and finally deep scarlet, so that the plant bears fruit of several colors, producing a striking effect. An extremely ornamental plant for every garden. Per pkt.....25c.

Radish, Earliest, Three-Weeks.—The following varieties are ready for use three weeks after sowing, are desirable and very short-leaved with a beautiful olive-formed shape, are recommendable for earliest use.

	Per pkt.
Pure White, fine	20c.
Deep red	20c.
Rose	20c.
Choice mixed	20c.

Sage, New Dwarf (Salvia officinalis nana cœrulea).—This kind is smaller in all its parts than the old sort. It grows compact and produces dark blue panicles. A very fine border plant for the kitchen garden. Per pkt.....10c.

Sage White-flowering Dwarf. (Salvia officinalis nana fl. albo).—A dwarf, very rich flowering kind, with snow-white panicles, well adapted for borders in the garden and fields. Per pkt.....10c.

Tomato, Golden-Yellow, King Humbert. This is the most beautiful of all yellow tomatoes. Its fleshy and solid fruits have an excellent flavor. It is an enormous bearer, surpassing in this respect even the red "King Humbert." Its splendid fruits are particularly adapted for shows and also for the market. Per pkt.....25c.

Tomato, White King Humbert.—This remarkable kind also occupies a first place as an abundant bearer, and for the excellent flavor of its fruits, which are of a wax-white color, much like the white apple-tomato. Per pkt...25c.

BULBS.

New Canna, "Black Beauty." The darkest foliaged Canna in cultivation, rivaling the best Dracæna. It grows 4 to 5 feet in height; the broad leaves are on both sides of the rich claret red color. The flowers are rich red, but not very large. For centre of beds or mixed in a sub-tropical garden. Stock limited. Each.....$1 00.

New Canna, "Queen Charlotte." This is one of the finest Cannas ever introduced. It grows about three feet high, with bluish green foliage. The flowers, which are borne on large spikes, are of a velvety crimson color, edged with a broad band of canary yellow; a grand plant in every respect. Each, $1 00; per doz., $10 00.

Cyclamen, "Large Rhodian." Described by collector as follows: Flowers pink-white; foliage large and most beautifully blotched with silver; begins flowering in December. Each, 25c.; doz., $2 50.

Cyclamen, "sp. Smyrna." Same collector says: Flowering before foliage appears in September–October; foliage very handsome, blooms light pink. Each, 25c.; doz., $2 50.

Lilium Wallachianum Superbum. It is a magnificent lily, with an immense funnel-shaped flower, with solid texture and beautiful in color, which is white, shaded with chocolate on the outer side and delicately tinged with yellow on the inside. It was awarded a first-class certificate. Flowering bulbs, $1.00 each.

New Tuberose "Albino." This is one of the greatest novelties sent out this year. The great features of this single white tuberose is its earliness in flowering, and that from one bulb several branching spikes three to four feet high are produced, also that it is free from the brown tint so common to the old sort, on back of the petals. The odor is less heavy than in the old variety, making it much more desirable. Price, 10c. each; $1 00 per doz,; $6 00 per 100.

Do not be misled because you see the firm name of PITCHER & MANDA unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it.

You will find the ORIGINAL and ONLY

W. A. MANDA,

. . AT THE . .

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.,

PLANTS.

Adiantum Capellus Veneris Imbricatum (The Hardy Farleyense).

This is a grand acquisition to the Ferns. In general appearance it rivals the famous Adiantum Farleyense, besides being free-grower and of much hardier constitution, and on that account well adapted to the general culture, and especially for fern dishes. Should be grown by every one. Received three first-class certificates in Boston, Lenox and New York.

Nice plants in 2-inch pots.....50c. each.
Fine " 3-inch " .....75c. "

New White Anemone Japonica, "Lady Ardilaun."—One of the most remarkable novelties introduced for many years. It is distinct at a glance from the old variety, having much larger foliage, stouter stems, greater heads, flowers much larger, petals of more substance and altogether pure waxy white, overlapping almost to the points. In addition to this there are double rows of petals symmetrically arranged, forming a complete flower of great attractiveness.

Price, 2-inch pot plants.....35c. each.
" 3-inch " .....50c. "

New Anemone Japonica, "Whirlwind."—This is a semi-double white variety of this well-known plant. It has the same habit and free-flowering qualities, while the almost double character renders it more lasting when cut. A plant that should be in every collection of hardy plants. Price.....30c. each; $3.00 per dozen.

Bougainvillea Sanderiana.—This is a fine dark variety of the popular B. glabra, having the additional merit of flowering in a very small state, so that two or three-inch pot plants are covered with its showy bracts.

Price, young plants.....each 50c.

Coreopsis lanceolata, "Harvest Moon."—A grand improvement on the well-known species, and one that should be in every collection of Hardy Plants. The habit and flowers are much larger and stronger. Well adapted for cutting purposes. Each.....25c.; per doz., $2.50.

Cosmos Sulphureus.—This is quite a novelty—a cosmos with rich yellow flowers, about an inch in diameter. The plant is of a neat, compact habit, growing only a foot high, and forming masses covered with its bright flowers. A useful plant for hybridizing.

Plants, 2-inch pots.....25c. each.

Chrysanthemum leucanthemum. Semi-duplex.—This is a fine, nearly double variety of the popular Field Daisy, and deserves a place in every garden. Each.....35c.

Strobilanthus Dyerianus.—A beautiful plant of recent introduction; foliage a lustrous metallic blue color. A fine ornamental greenhouse plant, and one of the best for giving color in sub-tropical bedding. Each, 45c.; $4.50 per doz.

NEW CARNATIONS.

Ada Byron.—A wonder in profusion of bloom, freshness of color, neatness of flower, length and stiffness of stem, and keeping qualities when cut. The flowers, under fair cultivation, average fully two inches in diameter, and are possessed to an unusual degree of the much-

desired old-clove fragrance. They are of symmetrical form, nicely fringed, and of a more pleasing and even shade of pink than the much-extolled Grace Wilder. It is, however, from both a private and commercial grower's standpoint, in every way superior to Grace Wilder, and will meet with more appreciation in either the private greenhouse or market.

Alaska (Chitty).—Purest white; a seedling from Lizzie McGowan and Puritan, but much more vigorous, and a much more abundant flowerer than McGowan. The plants grow erect and self-sustaining; flowers as large, or larger, longer stemmed and more symmetrical than the parent flowers, and a most excellent keeper and shipper. Awarded six First Premiums in November, 1894.

Bridesmaid (Dorner, 1895).—Bright, clear pink. Large sized flowers, two and a half to three inches, borne on a very strong stiff stem, 14 to 16 inches long. Color a very even shade of bright, clear pink, fully as pleasing as the Bridesmaid Rose. Plant an exceptionally free and vigorous grower. Foliage and stem resemble Madame Albertina, but is an earlier and freer bloomer than Albertina. Calyx good and not inclined to burst.

Corsair (Chitty).—Also a seedling from Lizzie McGowan, and partaking largely of the general characteristics of its parent; it may, in fact, be designated a scarlet McGowan. It is a good scarlet, well-built flower, at least three times the size of Portia (at its best), abundantly produced on stiff stems, from 12 to 20 inches in height; a good keeper and shipper. Won several prizes.

Dean Hole (J. N. May).—Bright, clear yellow with scarlet stripe in the way of Buttercup, but a much finer variety; blooms more freely, is a much better constitution, and larger flower with better stem. Many of the flowers here now measure three and one-fourth inches, with broad petals, nicely interlaced, forming a bold, handsome flower.

Little Gem (Chitty).—This may be regarded as a very dwarf growing form of J. J. Harrison; the markings of the flower being very similar, but a little smaller in size; the flowers, however, are produced in wonderful profusion, and are abundant long before any other Carnations appear in flower. It has proved itself exceedingly valuable on that account.

Magnet (Chitty). This is a magnificent carnation, being the color of a freshly cut American Beauty Rose. The flowers are large and massive, and so abundantly produced as to greatly interfere with the production of suitable cuttings; the flowers make a handsome bunch if gathered with stems a foot long.

Minnie Cook (Chitty). This is the largest and heaviest carnation of the fancy type yet produced; it may be regarded as a mammoth Chester Pride, with similar markings and several times the size, and a wonderfully vigorous grower. The flowers may be cut with stems from 15 to 30 inches in length, according to the season. The flowers are massive and perfect in form, and its delicate markings of pink and carmine combine to make it a thing of beauty indeed.

Meteor (Dorner, 1895). Brilliant crimson, medium sized bloom, 2 to 2½ inches, on a firm, strong stem, 14 to 18 inches long. Plant a free, vigorous grower, clean foliage and good bloomer. Foliage and habit resemble Portia

somewhat, seems to do well in light soils. A very promising dark sort.

Nicholson. This is the largest—often three inches in diameter—brightest colored, most fragrant, old clove-pink fragrance, and most abundant bloomer produced to date. The plants are of exceedingly vigorous growth, and so far they have not been affected by rust or other disease. The flowers are borne in continuous profusion on long stiff stems, and a burst calyx is unknown among them. The foliage is very luxuriant and of a pleasing bluish gray color.

Storm King (Dorner, 1895). Snow white, very large flowers, 3 to 3¾ inches on good stems, 16 inches to 2 feet and more long. Bloom moderately full, symmetrical and fairly good substance when well grown. Calyx good and not inclined to burst. Plant healthy, but moderate grower. A good bloomer, producing about three-fourths as many blooms as Lizzie McGowan. Requires a moderately heavy fine rich loam, and must not be grown too warm nor too dry.

Price, for any of the above varieties, 25c. each; $2.50 per doz.; $18.00 per 100.

NEW CHRYSANTHEMUMS.

Dean Hole (J. N. May).—Very large incurved, massive flower, with broad petals of exquisite form. White with a beautiful soft shade of pink on the outer side when in perfection, changing to pearly white with age. Undoubtedly one of the best varieties of this year's introduction. Good stout stem and fine foliage. Best on crown buds. In season about 6th to 10th of November, 3½ feet high. This variety received certificate of merit from the American Chrysanthemum Society in Philadelphia.

Nemesis (Daybreak) (J. N. May).—Very early and almost identical in color to Daybreak carnation, a fine, bold, well-built flower with straight broad petals. Average height, 2½ feet. In season 10th to 15th October; crown bud. This variety was too early to exhibit, but was the admiration of all who saw it in bloom.

Olympus (J. N. May).—A very bold, round flower, when in perfection blooms measured 7½ inches through and 7 inches deep here last season. Base of petals white, with delicate shade of pink on outside, making it a very beautiful and attractive flower. Should be grown on crown buds, otherwise the stem will hardly support the immense flower. In season November 1st. Average, 4 feet.

Sunrise (J. N. May).—This is by far the best very early red on the market. Inside of petals (which are very broad) bright terra cotta, reverse old gold, semi-incurved but full to centre, average 7 to 8 inches through, and fine build, with good stout stem and handsome oaklike foliage. In season 12th to 20th October—a fine acquisition. Average 3 feet, crown bud.

Trilby (John N. May).—Very clear white and superior to Niveus in every way. The petals are slightly twisted, but stand out straight, forming a bold, round handsome flower in the way of "Fascination." Extra fine stem and handsome foliage. In perfection November 20th to 30th. Average, 3½ feet. Best as crown buds. Really one of the very best of this season's introductions.

Zulinda (John N. May).—Very large incurved, close-built flower, ray petals drooping, forming a bold handsome flower. Inside of petals clear rose pink, reverse silvery or satinlike glossy pink, fine stiff stem, with large handsome foliage close up to flower. Average, 2½ to 3 feet. Crown buds. In season November 20th to 30th. An extra good late keeping variety.

Philadelphia (Graham).—Decidedly the best chrysanthemum of this year's introduction, receiving fourteen prizes at the various exhibitions. It is a free grower with luxuriant foliage, a good stiff stem, while the flowers are very large, well built, incurving. The long pointed petals are nearly white, with yellow tip, which gives the flower a peculiar appearance.

Miss M. M. Johnson (Hill).—Grows three feet in height, and perfects three fine flowers to the plant; beautiful foliage, a stiff stem and deep golden color, together with its fine form and great depth, mark it as a leader among earlies. The flowers were in fine condition for cutting on October 10th. Received certificate at Chicago and Cincinnati before the judges on Oct. 20, 1894.

N. B.—The shade of yellow is that of W. H. Lincoln.

Radiance (Hill).—This is a second early, which exactly follows Miss M. M. Johnson in time; it has the fine color of Golden Wedding, is full and deep and of fine size, and much the same form as Miss M. M. Johnson. Height, three and one-half feet, stems strong, foliage fine, and well up to the flower, which is of heavy texture, and broad, incurving petals.

H. W. Rieman (Hill).—Grand exhibition yellow. A cross between W. H Lincoln and Madeira. Deep golden yellow, very bright; very massive in build; as deep as wide, crowded with petals; stems very stiff; height, four feet; foliage very beautiful; a grand addition to our already fine class of yellows; an ideal grower. Received $25 premium at Indianapolis as best yellow.

The Egyptian.—Grand exhibition red; flower of immense size, reminding one of C. B. Whitnall in form and build; color dark velvety red; very rich and pure; incurving in form; depth, three and one-half inches; can never show a centre; stems stiff; foliage extra good; height, four feet.

Miss Louise D. Black (Hill). Color reddish orange, height 4 feet; somewhat like Dailledouze in habit; flower compact, very full and conical, after the general style of Mrs. L. C. Madeira, but fully one-third larger. Received certificate at Indianapolis and honorable mention at Chicago.

Hallowe'en (Hill). Grand exhibition variety of "Mistletoe" color; of the very largest size, grandly incurving, very deep. Color hard to describe—a pinkish gray without and rosy violet within. A grand bloom in every respect; height of plant, 4 feet. Very stiff stem, elegant foliage. Was awarded $25 as best "any other color" at Indianapolis.

Nellie Elverson (Hill). Exhibition bronze. This is an elegant grower; heavy, stocky stems, clothed throughout in fine foliage. Height 4 feet. The flower is of immense size, crowded with petals which are stiff and of great substance; form incurving, depth about 3½ inches; a most imposing bloom. Color Indian red, faced with bronze. Received $25 premium at Indianapolis as best bronze; also the same last year for first year seedling.

Gold-Dust (Hill). Pure golden yellow, very plumy; very full, shows no centre at all, finely incurved, and as large as a good Enfant; color very brilliant. Received honorable mention at Chicago, where it was described as a decided improvement on the Yellow Ostrich Plumes. Height, 3½ feet, stems stiff, carrying a profusion of light green foliage.

Price, for any of the above varieties, 75c. each: $7.50 per doz.

NEW COLEUS.

This fine new class of large-leaved Coleus was originated by me. Each plant is of sterling merit, and when taken as a whole collection, they range in color from the lightest to the darkest shades. When grown in pots their fine, large, gorgeous-colored foliage makes them fine plants for greenhouse or conservatory decoration.

Breed, Geo. (Manda).—Fine, compact grower with an intense rose centre, bedded in crimson and edged with green.

Connors, T. (Manda).—Tall grower with large, massive foliage, markings like fine mosaic work, white, red, yellow, and green.

Dalby, E. (Manda).—Medium growth, foliage beautiful rich crimson, veined with yellowish white.

Donahue, P. J. (Manda).—Very dwarf, compact growth, rose color edged with deep velvety green.

Huss, J. F. (Manda).—Compact grower, with large foliage of a rich velvety crimson, purple and yellow edge.

Griffin, Wm. (Manda).—Grand, massive foliage of a rich velvety purple.

Johnson, R. (Manda).—Pure yellow with white veins; very effective.

Meredith, A. P. (Manda).—Gigantic growth, enormous foliage, reddish purple and green.

Norman, E. (Manda).—Compact yellowish white with green edge; very beautiful.

Thompson, G. (Manda).—A strong and bushy grower; a most striking variety, splashed with white, green, yellow, crimson, purple and pink.

Wingate, A. H. (Manda).—Medium grower, large foliage, beautifully marbled and intermixed with white, pink, deep purple and green.

Wookey, H. P. (Manda).—Medium growth, with almost black foliage. Each 50c.; the set of twelve varieties, $5.00.

TWO NEW ENGLISH COLEUS.

Mrs. F. Sander.—Elegant variety, growing to a large size, with beautiful purple, green and white leaves. Each, 60c.

Prince Albert Edward.—Vigorous growing sort, with undulated leaves of beautiful yellow and scarlet. Each 60c.

The two varieties for $1.00.

Delphinium Belladonna.—This is without doubt the finest blue flowered perennial in cultivation. It grows only 2 feet high, bearing many spikes of large sky-blue flowers.

Never bears any seed and rare on that account. Each, 35c.

Helianthus Bouquet d'Or.—A grand novelty of the popular double hardy sunflower. The habit of the plant is same as H. multiflorus plenus, but the flowers are of a fine deep golden color, while the petals are finely imbricated, giving the flower the appearance of an aster. Green plants in 2-inch pots.....35c. each.

Hieracium villosum.—This is a fine addition to hardy perennials. The plant is of a neat and compact habit, with oval white downy foliage, and large double flowers on stems one foot high. Perfectly hardy and of easy culture. Price.....25c each.

Iberis sempervirens superba.—A grand variety of the popular perennial Candytuft. It has stronger growth, larger and broader foliage, while the flowers are in large umbels and superior substance. One of the finest of our early flowering hardy plants. Each.....35c.

Leontopodium alpinum (Edelweiss).—A grand hardy plant which has become very scarce owing to its being greatly sought after by travelers in the Alps. Growing as it does on very inaccessible places on the Alps, many persons have lost their lives trying to procure it.

The flowers, which are white, are very beautiful, and if pressed after being cut will retain their former color and form.

I have been fortunate enough to procure some seed of this desirable plant, and am enabled to offer nice plants at very reasonable prices. Each, 25c.; per doz., $2 50.

Leiophyllum buxifolium prostratum.—A newly discovered variety, with small evergreen foliage, growing only 4 to 6 inches in height, and covered with pretty white flowers in the spring. A grand plant for edging beds of Rhododendrons, etc. Each, 25c.; per doz., $2 50.

Mimulus moschatus compactus.—A new form of the popular musk plant. The plant grows in a compact tuft, and is covered with numerous yellow flowers. Price, 2-inch pots, 20c. each.

Pelargonium odoratissimum.—A very old species, nearly lost to cultivation. Fine for its rosy purplish flowers and sweet scented foliage. Each, 25c.; per doz., $2 50.

Do not be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*

W. A. MANDA

AT THE

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.

NEW ROSES.

LORD PENZANCE'S HYBRID SWEETBRIERS.

These lovely hybrids form quite a distinct break from any class of rose yet in commerce. They are crosses between the common sweetbrier and various old-fashioned garden roses, Austrian briers, etc.

The foliage of every one of them is as sweetly scented as the common sweetbrier. Added to this the flowers, which are borne in wondrous profusion, are varied in color from pale yellow and terra cotta to crimson.

They are perfectly hardy even in the most bleak and exposed situations. For vigor there is scarcely anything in the rose world to equal them, growing to a height of twelve feet.

The flowers are single or semi-double, and this adds lightness and elegance to their beauty; double flowers in like conditions would be decidedly heavy and out place.

After the flowers are over they are followed by bright scarlet seed pods or hips in great numbers, which nestle among the deep green scented foliage and make the plant delightfully ornamental till quite late in the autumn.

Amy Robsart.—Lovely deep rose; the buds before opening are most graceful; of true sweetbrier type; an abundant bloomer; robust and free.

Anne of Gierstein.—Dark crimson, followed by an abundance of pretty clustered bunches of hips; large foliage; good grower and graceful branching habit.

Brenda.—Maiden's blush or peach, dainty in color and shade; the contrast and effect of the bright golden anthers add a peculiar charm to this variety.

Flora McIvor.—Pure white, blushed with rose; perfect for cutting; large flowers; their elegance being increased by the sprays of tender foliage that pass up between them; graceful in growth and habit; a gem.

Lady Penzance.—Beautiful soft tint of copper with a peculiar metallic lustre; the base of each petal is a bright yellow, which, showing through the clear golden anthers, forms a halo round them, and gives the whole flower and plant a delightful effect; very free flowering, with a delicious perfume from foliage and flower; a wonderful grower; shoots pendulous. A cross between sweetbrier and Austrian copper.

Lord Penzance.—Soft shade of fawn or écru, passing to a lovely emerald yellow in the centre; sometimes toned with a most delicate pink; a good grower and abundant bloomer; very sweet-scented; this variety is a seedling from sweetbrier x Harrisonii.

Lucy Ashton.—Pretty white blooms, with pink edges; not so large as some others; wonderfully free flowering; free grower, with rather erect shoots; foliage very sweet.

Meg Merrilies.—Gorgeous crimson; very free flowering; seeds abundantly; has a wonderfully robust habit; large foliage; one of the best.

Rose Bradwardine.—Beautiful clear rose, perfect in shape; very profuse; strong, robust habit.

Price, strong plants, each $2 50; the set of 9 for $18 00.
" young " " $1 00; " " 7 50

New Hardy Rose, Crimson Rambler.—This superb novelty is of the Polyantha class and is of Japanese origin. The plant is of vigorous growth, making shoots eight to ten feet long. For covering trellises, or as a pillar rose, it cannot be excelled. It is also magnificent in bush form.

The flowers are produced in large pyramidal trusses, and in color are of the most brilliant crimson, lasting in perfection for two weeks with their freshness of color unimpaired. Each 75c.; $7.50 per doz.

New Tea Rose, Mrs. Pierpont Morgan (J. N. May).—I do not hesitate to say that this is one of the very finest roses ever introduced in America. It is a sport from Mme. Cusin, and is in every way very much superior to that variety, being a much more robust grower. The flowers are very much larger and very double. Many of the flowers here measure four and a half inches through when in perfection. With much larger foliage than its parent, it is also much more prolific. The petals are broad and massive; the color is intensely bright *cerise* or rose pink. It has received special certificates of merit wherever exhibited. Dean Hole, of Rochester, England, the king of rosarians, says it is the finest and mose perfect tea rose he has ever seen. Mr. Thorley, the leading New York florist, says: "It is the most beautiful rose in color, form and fragrance I have ever seen." Strong, vigorous plants ready April 15th. Price, 75c. each; $7.50 per doz.

New Hybrid Tea Rose, Belle Siebrecht.—A truly superb rose, the result of a cross between La France and Lady Fitzwilliams. Color, imperial pink. The flowers, which are sweetly perfumed, are large, beautifully formed, and of that long, tapering shape, with high centre, and when half blown the petals reflex in a graceful manner. The buds (which are borne on strong, erect stems, 1½ to 2 feet long) are from 2½ to 3 inches in length, and when fully open the flowers are 5½ to 6 inches in diameter without showing the centre. The flowers have great substance; the petals, which are of a heavy texture, do not easily bruise or tarnish; they are good lasters, some having been kept for seven days without falling. It is a free and vigorous grower, with large and glossy foliage of leathery texture, entirely free from mildew. A most prolific bloomer, every growth producing a perfect flower. It has received the gold medal of the National Rose Society of Great Britain and first-class certificates from all the leading horticultural societies both in Europe and America. Ready April 15th. Each 75c.; $7.50 doz.

New Palm from Japan.—It was a pleasant and unexpected surprise when I unpacked several cases of this beautiful palm.

The striking appearance of the clumps of this miniature palm, which is only about a foot high, with several stems furnished with bord. plated fronds. It is very hardy, and therefore very useful for greenhouse, window or parlor decoration, or equally as good for carpet beds or any out of door purpose.

The plants must be twelve to twenty years of age. Fine bushy plants, $2.50 each; small plants, $1.50 each.

Spiræa Astilboides Floribunda.—This grand new plant is as useful for forcing as for herbaceous border. It is in the same relation to S. astilboides as is S. japonica floribunda to the common S. japonica. The plant is compact, furnished with numerous spikes closely set with pure white flowers. A plant I can strongly recommend. Each 35c.; per doz., $3.50.

New Salvia, "Belle of South Orange" (Manda).—Resembling salvia splendens in every way except in color of flowers, which is a beautiful shade of pink, thus making it a very desirable plant. Each, 35c.; per doz., $3.50.

Swainsonia Galegifolia Alba.—This is not a new plant by any means. Its merits as a cut flower have only lately been brought to notice by Mr. E. Lonsdale. The flowers, which are pure white, are borne in great profusion on spikes, and resemble the blooms of the well known sweet pea. Each, 25c.; per doz., $2.50; per 100, $15.00.

SPECIALITIES.

CANNAS (NEW FRENCH).

These are without exception the finest bedding plants we have. Their luxuriant tropical foliage and the brilliant hues of their flowers make them great favorities. If grown in pots they make grand plants for the conservatory or greenhouse, and if grown in the open ground they flower the entire season. No other plant gives so much beauty in foliage and flower combined.

	Each.
A. H. Wingate, lemon yellow; very fine	$0 35
A. P. Meredith, blood red, faintly margined with yellow	35
Admiral Courbet, rosy salmon	25
Alphonse Bouvier, crimson; very rich	25
Chas. Dippe, foliage marked with metallic bronze	25
C. M. Atkinson, flowers bright carmine	35
Cronstadt, large rich orange flowers, flaked with carmine	25
Charles Henderson, the best dark red variety	25
Count Horace de Choiseul, beautiful deep carmine	25
Captain P. de Suzzoni, a fine yellow canna	20
Charles Fletcher, flowers lemon yellow, fading to straw color	35
Duchess de Montemart, yellow and scarlet	25
Denil de St. Grevy, flowers rich orange scarlet	25
Egandale, large spike cherry red flowers	35
E. O. Orpet, bright chrome yellow, fading to straw color	35
E. Norman, deep orange vermilion, margined with yellow	35
Explorateur de Crambel, cardinal red	25
Ed. Michel, rich salmon overlaid with scarlet	25
F. L. Harris, flowers bright blood red; very fine	50
Francois Crozy, salmon with yellow edge	15
Francois Maire, flowers very bright orange scarlet	25
Florence Vaughan, a very fine yellow, spotted variety	35
J. Thomayer, very large rich scarlet	25
Gustav Senholz, silvery rose mottled with salmon	25
J. D. Cabos, fine bright orange or apricot flowers	25
Jules Chretien, cherry colored flowers	15
John Corkery, orange vermilion above, more orange below	35
J. F. Huss, flowers orange vermilion, edged with yellow	35
John Clark, vermilion flowers blotched with yellow	35
Mad. Crozy, scarlet with gold edge	15
Maurice Mussy, fine scarlet spikes	25
Mrs. Cleveland, extra large flowers	25
Martin Cahuzæ, flowers canary yellow with dark spots	25
Nardy Pere, bloom resembles Alphonse Bouvier	25
Nellie Bowden, a good pure yellow variety	10
Pres. Carnot, orange scarlet suffused with pink	25
Paul Marquant, salmon carmine tint	10
Perfection, golden yellow flowers spotted	15
Paul Bruant, brilliant orange scarlet	25
Robusta, chocolate maroon, grows very large	15
Sec. Stewart, fine carmine flowers	25
Star of '91, a very dwarf grower	15
Wm. Elliott, very dwarf, dark foliage, good for edging	25
William Griffin, flowers very bright scarlet vermilion	35
One of each of the above 44 kinds for	$9 50

IVIES.

This collection embraces all the distinct types of this beautiful plant, which is hardy in most States if given a northern exposure and are as vigorous as the common English ivy. Try a set and you will be pleased.

Algierensis Variegata.—Long leaves, with a beautiful white variegation.

Amurensis.—Large broad bronzy foliage.

Aurea densa.—Compact growing variety with a fine foliage of a yellowish hue.

Aurea maculata.—Good free grower with pointed leaves.

Atropurpurea.—Very free grower, with medium sized foliage of a rich purple color.

Azorica.—Large palmate foliage of a light green color very distinct.

Canariensis aureo-marginata.—A free growing variety with large broad leaves, irregularly variegated with yellow.

Canescens.—Small compact grower, with pointed, beautifully variegated leaves.

Chrysocarpa.—Very quick grower, narrow, deeply divided foliage.

Conglomerata.—A most distinct plant with dense undulated foliage, very effective especially for covering rocks.

Digitata.—Large, broad, deeply divided, foliage.

Emerald Green.—Fine variety with closely set foliage of a beautiful green color.

Elegantissima.—Leaves of medium size, beautiful broad yellow margain.

Gracilis.—Beautiful variety with deeply lobed small foliage.

Himalaica.—Oblong severely indented leaf of a bright green color.

Lobata.—Medium sized foliage of a nice bronzy eolor; free grower.

Marginata argentea. A beautiful variety with medium sized leaves, with white and green variegation.

Marmorata elegans. Beautiful dense growing variety, young growth, finely variegated.

Minor Donerailensis. Very fine growing plant with deeply cut foliage, very effective.

Palmata aurea. Broad foliage of a yellowish hue.

Poetica. Large broad leaf, of a bright green color; quick grower.

Regneriana dentata. Very large foliage, of a rich bronzy color.

Rhomboidea obovata. Distinct species with heart-shaped, close set dark green leaves.

Taurica. A very compact plant; small dark green foliage.

Each..... $0 20
The set of 24 varieties for only..... 3 75

IRIS KÆMPFERII (JAPANESE IRIS) COLLECTION.

These are among the most beautiful of hardy plants. They are exceedingly showy and last a long time in bloom. Some are self colored, while others are beautifully blotched and marked. They do best planted in a rich, moist soil, but do well in any ordinary garden.

DOUBLE VARIETIES

Antelope. White ground, blotched, white and yellow centre.

Altamont. Deep violet, shaded blue.

Beth Hallock. Delicate lavender, slightly veined white.

Blue Jay. Sky-blue, with distinct white lines.

Blue Danube. Deep indigo blue, violet shading.
Beauty lilac. Veined purple and centre.
Crimson Tuft. Rich plum, shading to deep.
Crystal. Pale violet, slightly veined white.
Coronet. Rich purple, slightly shaded.
Charmer. Azure blue, white centre.
Chameleon. Dark reddish pink, striped white.
Dinah. Reddish pink, flaked white.
Eclaire. White, lightly-veined blue, throat amber.
Eclipse. Self colored, reddish purple.
Frate. Silvery white, veined and shaded lilac.
Gold Bound. Pure white, one of the best.
Hannibal. White ground, veined with purple.
Hyde Park. Reddish purple, blotched white.
Isabella. Very light pink, shaded light violet.
J. C. Vaughan. Pure white, large and fine.
Mahogany. Dark red, shaded maroon.
Mr. Fell. Silvery white, veined, violet centre.
Malmaison. Light ground, heavily veined with blue.
Mount Hood. A beautiful double form.
Norma. Deep lavender, centre deep lilac and yellow.
New York. Reddish maroon, mottled white.
Orion. Reddish pink, white centre.
Othello. Deep rich purple, with light blue.
Oriole. Improvement of crimson tuft.
Paragon. Rich velvety purple, very distinct.
Pyramid. Lilac blue, veined white centre.
Pawnee. A very fine double variety.
Red Fox. Deep pink, veined white yellow centre.
Robert Craig. French gray, veined violet.
Saturn. Deep rosy pink, veined and suffused white.
St. Ogg. Deep violet shaded, orange marked centre.
T. S. Ware. Reddish violet, veined white.
Turban. Light pink, violet shading.
Templeton. Light violet shade, with reddish pink.
Tahoe. Blue, shaded purple, veined white.
The Bride. Pure white, very fine.
Velvet Gem. Bluish purple, slightly white.
Victor. White, veined violet purple.
Zenobia. Deep rose, shaded and veined violet.

Each.....$0 25
Per dozen..... 2 50
The whole collection of 44 varieties..... 8.00

SINGLE VARIETIES.

Annie Christ. Pale lavender, slightly veined.
Apollo. Pure white, pink centre.
Apple Blossom. White, spotted with light pink.
Blue Bird. Deep velvet blue.
Comanche. Pink, slightly blotched white.
Conde. Violet purple, shading to deep.
Diana. White veined, violet purple.
Exquisite. Very light pink, purple veins.
Gracie. White ground, suffused with pink.
Granite. Purple, spotted and flaked white.
Helene von Siebold. Reddish, veined white, yellow centre.
Lovelocks. Deep reddish purple, veined white.
Mirage. Light pink, suffused with light blue.
Mars. Reddish purple, blotched and striped white.
Navarre. White, shaded reddish purple.
Neptune. Light pink, shaded violet, pink centre.
Ondine. White, shaded light blue, very large.
Peach Blow. White, shaded pink, centre white and pink.
Quakeress. Ash gray, veined and shaded blue.
Red Ridinghood. Fine amaranth, veined white.
Souvenir. Rosy pink, distinct blue veins, pink centre.
Tortoise. Magenta, flaked and blotched white.

Topaz. Self color, reddish purple, very fine.
Vesta. Rosy-pink, finely veined with white.
Venus. Pure white, a beautiful variety.

Each.....$0 25
Per doz..... 2 50
The collection of 25 varieties..... 4 00
Both collections, double and single, 69 varieties 11 00

PAPAVER (POPPY) COLLECTION.

Without doubt one of the grandest families in the herbaceous garden. Flowers of the most gorgeous colors, borne in great profusion, on long stems. Their fern-like foliage and elegant habit make them great favorites, even with the most fastidious. The list below contains the very finest varieties only, and should be in every collection.

Papaver alpinum. A species of rare delicacy and beauty; fern-like foliage; flowers sulphur rose and white.

Each.....$0 25
Per doz..... 2 50

Papaver altaicum (new). A beautiful species not having flowered with me yet. I am unable to give it any description. It is said to have fine copper-colored flowers.

Each.....$0 35
Per doz..... 3 50

Papaver nudicaule. A beautiful dwarf prennial. The various colored flowers are very graceful, growing about one foot high. Excellent for edging; close, dense grower, and the blooms are fine for cut flowers.

Each.....$0 20
Per doz..... 2 00

Nudicaule album. A beautiful white form of the above.

Each.....$0 25
Per doz..... 2.50

ORIENTAL POPPIES.

One of the finest hardy plants in their season, their extreme brightness producing a very telling effect in the borders. The color of the large flowers is generally a very bright scarlet.

Brilliant. Vivid vermilion flowers, black blotches.
Bracteata. Immense deep blood crimson, black blotches.
Blush Queen. Pale blush pink, blotched with purple.
Immaculata. Bright orange scarlet flowers, very distinct.
Little Prince. Miniature, fiery scarlet, flowers very freely.
Multiflora. Blood crimson flowers, extra for cutting.
Orientale. Crimson scarlet flowers, very showy.
" **plenus.** Double orange scarlet, free blooming.
Prince of Orange. Dwarf compact, orange scarlet flowers.
Royal Scarlet. Enormous, scarlet colored flowers, most desirable.
Salmon Queen. Charming soft salmon scarlet flowers.
Semi-plena. Flowers of a glowing rich crimson color.

Price each.....$0 35
The collection of 12 varieties..... 3 50
Or the set of 16 poppies for..... 4 25

PHLOX PANICULATA COLLECTION.

The collection listed below contains the very latest introductions, and without doubt is the finest lot in the country. When in flower they present a mass of gorgeous coloring produced in no other variety of hardy plants.

Each..... $0 25
Per doz..... 2 50
The collection of 74 varieties for..... 12 00

Abundance. Enormous panicles of rose lilac flowers.
Arago. Salmon rose, shaded violet, large flowers.
Aquilon. Immense flowers, rosy carmine, crimson centre.
Austin Withers. Grayish lilac, fine carmine eye.
Aspasie. Round, grayish, lilac flowers, white centre.
Albert Wagner. Rosy red, suffused with carmine.
Bastian Lepage. White, shaded lilac, very large.
Bijou. Pure white, very fine.
Bouton d'Argent. White, slightly shaded, purple eye.
Bonnikite. Rosy pink, half dwarf.
Baron Berkholz. Dark rose, large cherry red eye.
Cassiope. Rosy mauve, with white centre.
Cameron. Rosy pink, with dark carmine centre.
Chant du Depart. Lovely rose scarlet, crimson eye.
Croix du Sud. Half dwarf, white, rosy centre.
Cross of Honor. Striped rose, mauve and white, late.
Cenorus. Purplish pink, large flowers, dwarf.
Carl Mauch. Orange with dark carmine eye.
City Gardener Medin. Bright carmine.
Court Gardener Wagner. Carmine, blood red eye.
Delivrance. Lilac mauve, scarlet eye, large flowers.
De Lesseps. Rosy mauve, fine large flowers, late.
Densiflorum. Very dwarf, white, with shaded carmine.
Diadem. Large flowers, pure white.
Dr. Carl Clemm. Scarlet, with blood red eye.
Eugene Verdier. Deep lilac, shaded rosy purple.
Etna. Bright orange vermilion, maroon centre.
Edie. Carmine, darker centre, large flowers.
Faust. Large panicles of white flowers, pink eye.
General Brice. Fiery red, centre rosy purple, showy.
General Brent. White, shaded lilac, centre carmine.
General Trolon. Magenta, very large, crimson centre.
Gloria Victis Rosy violet, carmine centre, large and fine.
Hamlet. Deep salmon, with dark carmine centre.
Henry Rumph. Lilac mauve, scarlet eye, fine dwarf.
Helena von Grimm-Gamet. Snow white, fine.
Isabey. Deep salmon red, dark crimson eye.
J. C. Hanish. Salmon scarlet, crimson eye, very fine.
Joseph Bara. Crimson purple, fine and distinct.
J. C. F. Bouche. Copper, carmine, with cherry red eye
Liberte. Large panicles of orange salmon.
Le Soleil. China rose, centre bright rose, large.
Leonnec. Large panicles of very large flowers.
Liliput. Very dwarf, color rosy purple.
Le Siecle. Salmony pink, white star, lilac centre.
M. Marey. Deep rose, velvety carmine, large panicles.
Mineola. Rosy pink, dark crimson centre, bushy.
Mons. Chantry. Carmine rose, with dark centre, desirable.
Michel Cervantes. White, with carmine eye, dwarf, bushy.
Moliere. Salmon, with purple point.
Miss Bertha Fischer. Snow white, large flowering,
Max Bertram. Carmine, suffused with violet.
Miss E. Wilhelm. Lovely lilac rose, star-formed white center.
Mrs. Lina Henkel. Carmine rose, large cherry red eye.
Mrs. Emma Baumann. Porcelain colored, lilac eye.
Mrs. Canzleirath Haeberle. Flesh color, rosy pink eye.
Mrs. Dr. Louise Petersen. Pure white, large carmine eye.
Mrs. Stadtpfarrer Gerot. Snow white, large crimson eye.
Panama. Large and round flowers, pure white.
Paul Bert. Lilac shaded, centre deep violet.
Protee. Rosy purple, with crimson centre.
Pantheon. Enormous flowers, salmony pink.
Peter Schilhan. Light rose, white star-formed centre.
President Lemaigre Briecourt. Lilac rose, blood red eye.
Professor Schliemann. Rose, carmine eye, with white.
Richepin. Very large flowers, shining lilac rose.
Richard Wallace. Pure white, rosy carmine eye.
Schumann. Small, bright red flowers, freely produced.

Stars and Stripes. Half of petals white, half rosy purple.
Snowflake. Pure white, immense spikes.
Sylphide. Large white, enormous panicles, dwarf.
Trapucente. Satin rose crimson centre, late.
Westbury. Purplish crimson, very effective.
W. Ohlmer. Carmine, large blood-red eye.

PYRETHRUM COLLECTION.

Fine for outdoor culture, being perfectly hardy and very free flowering. The cut blooms, which very closely resemble a well shaped Aster or Chrysanthemum, are borne on a long stems, and with their fern-like foliage are suitable for any sort of decoration.

Aphrodite. Large double, improvement on all whites.
Bridesmaid. Double pure white, very fine for cutting.
Captain Mares. Beautiful double, rich crimson flowers.
Haage & Schmidt. Double, bright carmine, rose and white centre.
Imbricatum. Purple carmine, tipped with white, double.
J. N. Twerdy. Double brilliant red, with old gold, fine.
Mons. Barral. Rosy red, double dwarf, very free blooming.
Madame Munier. Rosy-blush, free and branching habit.
Oliva. Purest white, immense large flowers double.
Progress. Dark red, very large and double.
Uzziel. Rosy, fine double globular flowers.
White Aster. Double pure white, very large and free blooming.

Each	$0 35
Collection of 12 varieties	3 50

SPECIAL OFFER OF PÆONIES.

I have one of the finest lots of this fine showy plant in the country, and am able to sell them to color at this very low figure.

	Each.	Doz.
White, beautiful double flowers	$0 25	$2 50
Red, large deep red blossoms	25	2 50
Pink, extra handsome large variety	25	2 50
Pink and White, chaste variety white centre	25	2 50
Fine large clumps, 6 to 9 eyes	75	7 50
Extra fine clumps, 10 to 15 eyes	1 50	15 00

PURE SHEEP MANURE.

I am greatly pleased to say that I have secured a large quantity of the very best sheep manure, perfectly pure and unadulterated, free from all straw or litter of any kind, which is generally found in most of the other grades.

I can safely say that it is the finest quality offered in the market. There is nothing can equal this manure for greenhouse purposes, such as top dressing roses, carnations, chrysanthemums, or any other plants that are strong feeders.

And there is nothing better for mixing through potting soil or for making liquid.

It is also the finest manure for top dressing lawns or for the manuring of fields or gardens.

In all respects it is par excellence. For top dressing greenhouse plants use equal proportions of manure and good loam. For mixing through potting soil use one part manure to nine parts loam. For making good liquid use about ten pounds to the barrel. For lawns, fields or gardens use about one pound to ten square feet, or two tons to the acre. 5 lb. bag, 25c.; 10 lb. bag, 40c.; 25 lb. bag, 75c.; 100 lb. bag, $2.75; per ton, $3.800.

INDEX.

	PAGE
Abies	98
Acer	82
Acacia	43, 64, 88
Achillea	77
Adiantum	76, xi
Ageratum	43, 62
Agrostemma	43, 77
Alyssum	43, 77
Allamanda	64
Asparagus	7, 72
Æsculus	82
Asters	26, 50, 77, ii
Azalea	63, 89, 94
Alternanthera	62
Amarantus	36, 51
Amaryllis	59
Ampelopsis	95
Anemone	77, xi
Andromeda	95
Anthurium	64, 72
Apples	100
Apricots	101
Aquilegia	34, 52, 77
Areca	73
Araucaria	72
Arundo	60
Balsams	31, 52
Barberry	89
Beet	9
Begonia	44, 62, 64, 77
Begonia, Tuberous-Rooted	57
Beets, Sugar	9
Bedding and Garden Plants	62
Beans	8
Blackberries	103
Bouvardias	64
Bromeliads	72
Bulbs for Spring Planting	57
Buxus	94
Calla	59
Cabbage	9
Calceolaria	40
Caltha	60
Caladium	59
Calliopsis	37, 51
Calendula	37
Campanula	38, 78, ii
Candytuft	36
Canna	44, 59, ix, xix
Canterbury Bells	38
Carnation	56, xi
Castanea	84
Carrot	10
Cauliflower	11, viii
Catalpa	83
Cattleya	66
Celosia	44
Celery	11
Centaurea	44, 51, 62
Cereals & Agricultural Seeds	25
Cerasus	83
Cherries	83, 101
Chestnuts	82, 83
Chionanthus	84
Choice Vegetable Seeds	xiii
Chrysanthemum	44, 63, 52, 54
Cineraria	40, 44, ii
Cladrastis	84
Clarkia	44
Clematis	97
Clerodendron	64
Climbing and Trailing Shrubs	95
Clovers	24
Cobea	45
Cocos	75
Cockscomb	44
Coleus	45, 62, iii, xv
Convovulvus	45
Corn, Sweet	12
Cornus	84, 89
Corn Flower	44
Coreopsis	37, 78
Cosmos	iii
Cratægus	84
Croton	72
Cucumber	13, viii
Currants	103

	PAGE
Cycads	72
Cyclamen	42, 52, x
Cydonia	90
Cypripedium	67
Cytisus	89
Dahlia	45, 59
Datura	46, vii
Deciduous Shrubs	89
Delphinium	36, 78
Dendrobium	68
Deutzia	90
Dianthus	35, 52, 63, 78
Digitalis	37, 78
Disclaimer	4
Dogwood	85
Dracæna	73
Egg Plant	14
Egyptian Lotus	61
Elm	88
Eschscholtzia	45
Euphorbia	64, 78
Evergreen Shrubs	94
Evergreens or Conifers	98
Fagus	85
Ferns	76
Fertilizers	107, xxiv
Ficus	73
Flower Seeds	26, ii
Flower Tubs	107
Flower Pots	106
Flowering Dogwood	84
Forsythia	90
Foreign Grapes	103
Foxglove	37
Fringe Tree	84
Fruits	100
Fuchsia	45, 62
Funkia	63, 78
Gaillardia	45
Gardenia	64
Genistas	64
Geraniums	62, 64
Gladiolus	46, 57
Gloxinia	46, 59
Godetia	38
Gomphrena	40
Gooseberries	103
Grapes	102
Grass Seeds	24
Greenhouse Flowering Plants	63
Greenhouse Heating	110
Greenhouse Building	110
Hardy Herbaceous Plants	97
Halesia	91
Hedera	73, 96, xx
Helianthus	46, 78
Heliotropium	46, 52, 65, iii
Hemerocallis	79
Herbs	22
Hibiscus	65, 73, 79, 91
Hollyhock	51, 52
Honeysuckle	96
Horse-Chestnut	82
Horticultural Papers	108
Horticultural Books and Periodicals	107
Horticultural Implements and Garden Requisites	105
Hybrid Perpetual Roses	53
Hydrangea	65, 91
Iberis	63, 36, 79
Insecticides	106
Ipomœa	39, 51, iv
Iris	46, 60, 79, xx
Ivy	73, 96, xx
Jasminum	65
Juniperus	98
Kalmia	95
Kentia	75
Kohl-Rabi	15

ALL WHO CULTIVATE **FRUITS** ✣ **FLOWERS** ✣ **VEGETABLES** FOR PLEASURE OR PROFIT

Should see that the Journal they subscribe to is the best and most reliable authority obtainable.

AMERICAN GARDENING

STANDS FOREMOST IN THE LIST.

IT deals practically with **Fruits** and **Vegetables, Trees, Shrubs** and **Flowers,** and covers the field of horticulture systematically and thoroughly. It illustrates and describes methods of cultivation, improved varieties and **Labor-saving Devices;** and is, without doubt,

THE PAPER FOR THE PEOPLE!

$1.00 a Year (24 numbers). Sample Free.

Among the many striking departments are those devoted to the **Flower, Fruit** and **Vegetable Garden,** with the *Current Work* in each written specially for the amateur; **The Orchard; Small Fruits; Spraying Mixtures** and **Devices; Ornamental Gardening;** and **Woman's Realm,** a special feature for the ladies. Our **Question Box** is open to all, free to all, and as broad as necessity.

Address your orders to **W. A. MANDA, SOUTH ORANGE, N. J.**

Hereafter this Catalogue will only be sent to Customers and those ordering AMERICAN GARDENING through me.

	PAGE
Lælia	68
Labels	105
Lantana	46
Landscape Gardening	6
Larkspur	36, 52
Larix	68
Lathyrus	28
Latania	73
Leek	15
Lepachys	70
Lettuce	15
Ligustrum	91
Libes	58
Lilac	94
Linden or Lime Tree	88
Liriodendron	85
List of Patrons	3
Lobelia	47, 62, 79
Lonicera	96
Lychnis	47, 79
Lysimachia	79
Madeira Vine	60
Mahonia	95
Magnolia	86
Manda's Lawn Grass Seed	24
Maple	82
Marvel of Peru	47, 51
Maranta	73
Marigold	33, 51
Martynia	16
Material for Orchid Culture	106
Matricaria	47
Maurandya	47
Melon, Musk	16
Melon, Water	16
Mignonette	41, 52
Mimulus	47
Miscellaneous Bulbs	59
Miscellaneous Fruits	104
Moon Flower	39
Mulberry	86
Mustard	17
Musk Plant	
Mushroom Spawn	17
Myosotis	41, 63, 79
Nasturtium	17, 29, 52
Nectarines	101
Negundo	83
Nelumbium	61
Nephrolepis	76
Nicotiana	47
Novelties	113
Nymphæa	61
Oak	88
Odontoglossum	69
Oncidium	69
Onion	17
Œnothera	48, 79
Orchids	66, 70
Orchid Cribs	106
Ornamental Trees	82
Ornamental Shrubs	89
Palm Seeds	25
Palms	74, xviii
Pandanus	74
Pansies	27, 51, 63
Papaver	32, 79, xxii
Parsnip	18
Parsley	18
Peat	107
Peas	18
Pears	100
Peaches	87, 104
Pelargonium	48, 65
Pentstemon	39, 79
Pepper	19
Petunias	31, 51 62
Phalænopsis	
Phaius	70
Phellodendron	87
Philadelphus	92
Phlox	63, 79, 92, xxii
Phlox Drummondi	34, 51
Phœnix	75
Phrynium	74
Pine	98
Pink	35
Platanus	87
Platycerium	76
Plums	102
Pæonies	79, 92, xxiv
Pontederia	62
Populus	87
Poppy	32, 51, xxii
Portulaca	48, 51
Privet	92
Primrose	41
Primula	41, 52, 63
Prunus	87, 92
Pumpkin	19
Pyrethrum	48, 62, 80, v, xxiv
Quercus	89
Quince	101
Radish	20, ix
Raspberries	104
Retinispora	99
Rhododendron	95
Rhubarb	20
Rhus	92
Ricinus	48
Robinia	88
Roses	53, 62, xvii
Salix	88
Salsify	20
Salvia	49, 63, 65, 80, ix
Scabiosa	49, 51
Sedum	80
Seeds	7, ii
Seed of Trees and Shrubs	25
Seeds of Everlastings	52
Senecio	51
Selaginella	76
Silk Vine	97
Snapdragon	43
Solanum	49
Specialties in Seeds	26
Sphagnum Moss	107
Spiræa	85, 93
Spinach	21
Squash	21
Staphylea	93
Statice	45, 80
Strawberries	104
Stocks	30, 52, iv
Sunflower	69
Swainsonia	49, 65, vi, xviii
Sweet William	35
Sweet Peas	28, 51, vi
Sweet Alyssum	62, 43
Sweet Bay Tree	73
Swiss Chard	94
Symplocarpus	93
Tagetes	33, vii
Taxodium	99
Tea Roses	53
Thunbergia	49, 50
Thuja	99
Tigridia	60
Tomato	22, ix
Torenia	50
Tradescantia	74
Tropæolum	29, 52, 63
Trumpet Vine	97
Tuberose	60, x
Turnip	22
Ulmus	88
Vanda	69
Venus' Fly Trap	73
Verbena	33, 52, 63
Vinca	50, 63, 80
Viburnum	94
Wallflower	vii
Water and Bog Plants	60
Willow	88
Wistaria	97
Xeranthemum	40
Yucca	80
Zinnia	30, 51